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Daily Field Reports



ecology and environment, inc.

DAILY FIELD REPORT NO.: 1

Date: 6/6/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: _____	Midday: 60 °F	Dusty: _____
Overcast: _____	Afternoon: 65 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	6	Crew size varied due to mobilization activity needs.

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Corrugated pipe delivered on Friday afternoon
623B Cat Scraper	0	HDPE smooth walled pipe
Cat VHP Grader	3	



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DAILY FIELD REPORT NO.: 1

Date: 6/6/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

Corrugated pipe delivered prior to submittal process completion.

Wilder Const. and Chad N.

Corrugated pipe stored improperly.

Wilder Const. and Chad N.

HDPE smooth walled pipe delivered prior to submittal process completion.

Wilder Const. and Chad N.

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

none noted

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

NA

Inspect equipment (leaks?)

NA

Inspect equipment fueling

NA

Inspect shoreline (turbidity?)

NA

Inspect barge offloading

NA

Inspect stockpiles & stormwater controls

NA

Other

WORK COMPLETED

1. Wilder Construction performed mobilization activities today. Activities included mobilization of office trailer and equipment.

NOTES/ISSUES

none

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 2

Date: 6/7/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: <u>55 °F</u>	Clean: _____
Part Cldy: _____	Midday: <u>60 °F</u>	Dusty: _____
Overcast: _____	Afternoon: <u>65 °F</u>	Muddy: <u>x</u>
Rain: <u>x</u>		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder Construction	6	Crew size varied due to mobilization activity needs.

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:40	11:45	David L. Erickson	BNSF	Locate requirements for dig permit
11:40	11:45	Gary Pallas	BNSF	Locate requirements for dig permit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	
623B Cat Scraper	0	
Cat VHP Grader	6	
135C John Deere Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 2

Date: 6/7/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

HDPE welder qualifications not supplied as required by specifications

Wilder Const. and Chad N.

HDPE pipe manufacturer's welding procedures and documentation were not submitted prior to delivery and welding.

Wilder Const. and Chad N.

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

none noted

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

NA

Inspect equipment (leaks?)

NA

Inspect equipment fueling

NA

Inspect shoreline (turbidity?)

NA

Inspect barge offloading

NA

Inspect stockpiles & stormwater controls

NA

Other

WORK COMPLETED

1. Wilder Construction continued mobilization activities today. Activities included mobilization of a semi-truck trailer utilized as a construction material supply and maintenance area, and configuring of their office trailer.

2. Wilder Construction began clearing and grubbing of an area to the south of the office trailers.

3. Wilder Construction had their fusion welder technician certified by a manufacturer's representative. Two welds were performed. Wilder was informed that submittal procedures were not completed and that they were performing work at risk.

NOTES/ISSUES

none

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 3

Date: 6/8/2005 Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 55 °F	Clean:
Part Cldy:	Midday: 67 °F	Dusty:
Overcast:	Afternoon: 75 °F	Muddy: x
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:49	8:52	Jeff Woods	Culligan	Delivery
8:49	8:52	S. Warwick	Culligan	Delivery
10:20	8:00	Steve Canterbury	Ampere Electric	Electrical
10:20	8:00	Jim Unfried	Ampere Electric	Electrical
5:10	5:32	Drew Martin	Wilcox & Flegel	Delivery

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat Loader	3.5	Precast concrete manhole (MH- E)
623B Cat Scraper	7	
Cat VHP Grader	7	
135C John Deere Excavator	6	
310E John Deere backhoe	0	
CAT bull dozer	3.5	
SD 1000 Roller w/vibrator	1	
200 CC Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 3

Date: 6/8/2005 Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?
Manholes A, B, and C do not have the correct configurations (see note 2).	Wilder

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	na
Inspect equipment (leaks?)	none
Inspect equipment fueling	na
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Work was started on the installation of the manholes. Manhole D was installed and partially backfilled to avoid movement. Approximately 80 feet of corrugated conveyance piping was installed from Manhole D in the direction of manhole E. Excavation for manhole E was completed, but manhole E has not been placed yet. Excavation and placement of manhole C was completed, and approximately 100 feet corrugated piping was installed in the direction of manhole E.
2. Clearing, grubbing, and grading were started in the area to the north of the stockpiled topsoil, and in the north corner of the site.
3. The Welding of HDPE smooth walled pipe continued.

NOTES/ISSUES
1. Zander made the decision to allow the use of native material for the bedding in the drainage pipe system.
2. Upon field inspection Chad Nancarrow determined that the manholes A, B, and C are not configured correctly. It appears that manhole A has correct perforation pipe configuration, but the conveyance pipe is not correct relative to the perforation pipe. Manhole B has two perforation pipes and one conveyance, but should have one perforation pipe and two conveyance pipes. Manhole C has the perforation pipe inlet on the wrong side.

Prepared By: E&E field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 4

Date: 6/9/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u>x</u>	Morning: <u>57 °F</u>	Clean: <u></u>
Part Cldy: <u></u>	Midday: <u>68 °F</u>	Dusty: <u>x</u>
Overcast: <u></u>	Afternoon: <u>75 °F</u>	Muddy: <u></u>
Rain: <u></u>		Other: <u></u>
Fog: <u></u>		
Snow: <u></u>		
Other: <u></u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
David Evans and Associates	2	Survey

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:30	14:00	Susan Gardner	E&E	Sediment Cap Site Cap Walk
11:10	3:30	Joh Montgomery	E&E	Weekly Meeting
8:15	4:30	Zander Whitman	E&E	Weekly Meeting
?	?	Kevin Parrett	DEQ	Weekly Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	7	
623B Cat Scraper	7	
Cat VHP Grader	7	
135C John Deere Excavator	5	
310E John Deere backhoe	0	
CAT bull dozer	0	
SD 1000 Roller w/vibrator	1	
200 CC Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 4

Date: 6/9/2005 Day: Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Yes, Wilder informed that dust suppression may be needed if it does not rain soon.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Work continued on the installation of the manholes. Manhole E was partially installed to contract specifications. Approximately 60 feet of corrugated piping was installed from Manhole D in the direction of manhole E, which completed the installation. Approximately, fifty percent of the compaction of the bedding and sand adjacent to the installed 12"corrugated pipe was completed.
2. Clearing, grubbing, and grading were continued in the area to the north and west of the stockpiled topsoil within the barrier wall, and west of the support facility pad.
3. The Welding of HDPE smooth walled pipe continued.
4. E&E coordinated a site visit for Kieth Moorehead of BNSF for Monday morning. Keith would like to speak with Wilder Construction prior to activities within the BNSF right of way. This should complete the notification requirements specified in the Access Agreement.

NOTES/ISSUES

1. Wilder construction over-pressurized the corrugated pipe run between manholes C and E. The testing equipment was faulty and did not indicate the actual pressure in the line. Wilder Construction contacted the supplier of the testing equipment.

Prepared By: A. Murphy

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 5

Date: 6/10/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: <u>57 °F</u>	Clean: _____
Part Cldy: _____	Midday: <u>68 °F</u>	Dusty: <u>x</u>
Overcast: <u>x</u>	Afternoon: <u>70 °F</u>	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Ferguson -Industrial Plastics	1	Modifications to manholes

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	5	
623B Cat Scraper	3	
Cat VHP Grader	7	
135C John Deere Excavator	0	
310E John Deere backhoe	0	
CAT bull dozer	4	
SD 1000 Roller w/vibrator	1	
200 CC Excavator	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 5

Date: 6/10/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?
Pipe section DE failed pressure tests (See WORK COMPLETED number 1.).	Wilder, Chad, and Zander

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Pressure testing was started on the 10" corrugated pipe run between manhole D and E, but it was discovered that there were pinholes in the 10" pipe from Hancor. Run DE will have to be removed, and new pipe installed. Pressure testing was completed on the 12" corrugated pipe run from manhole C to E, the segment passed testing with no pressure drop registered. 12" corrugated pipe was installed from approximately STA 10+00 to STA 3+75.
2. Clearing, grubbing, and grading were continued in the north corner of the property .

NOTES/ISSUES

1. Wilder construction over-pressurized the corrugated pipe run between manholes C and E. The testing equipment was faulty and did not indicate the actual pressure in the line. Wilder Construction contacted the supplier of the testing equipment.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 6

Date: 6/13/2005 Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: x	Morning: 57 °F	Clean:
Part ClDY:	Midday: 68 °F	Dusty: x
Overcast:	Afternoon: 75 °F	Muddy:
Rain:		Other:
Fog:		
Snow:		
Other:		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
HD Fowler and Hancor	2	Inspection of defective 10" pipe

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.) MATERIALS DELIVERED TO SITE

924G Cat Loader	5	
623B Cat Scraper	6	
Cat VHP Grader	7	
135C John Deere Excavator	3	
310E John Deere backhoe	3	
CAT bull dozer	4	
SD 1000 Roller w/vibrator	4	
200 CC Excavator	7	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 6

Date: 6/13/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	Dust liberated during afternoon activities.

WORK COMPLETED

1. Pipe segment BC was completed between STA 3+75 and MHB. Faulty 10" corrugated pipe from segment DE was removed, and replaced with new 12" corrugated pipe.
2. Installation of the interior piping for segments CE and BC was completed.
3. Air pressure testing was completed on the following pipe segments: BC 12" corrugated, DE 12" corrugated, and CE 10" interior.
4. Grading activities continued in an area between the support area and the topsoil stockpile. Wilder is using a grader and a bulldozer to cut the surface, and is then picking up and transporting the material using a scraper. The material is being hauled to the northeastern corner. The vibratory roller is being used to compact the soil soon after the scraper places the material.
5. Work began on the trench leading to the outfall structure.

NOTES/ISSUES

1. The manufacturer of the corrugated pipe sent out an inspector to examine the pipe that failed the air pressure test. The inspector found several small holes through the inner pipe wall. He suspects that there was something on the mold during the production run. Wilder is removing all 10" pipe and plans to replace it with larger diameter pipe and fittings. The Engineer has tentatively approved this change if eccentric fittings are utilized.
2. Segment BC initially did not pass air pressure testing because one of the joints was leaking air. Two segments of pipe had to be removed and reset to fix the problem. The leak was caused by the guide rope getting caught in the gasket. Segment BC passed air pressure testing after this correction was made.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 7

Date: 6/14/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: <u>57 °F</u>	Clean: _____
Part Cldy: <u>x</u>	Midday: <u>68 °F</u>	Dusty: <u>x</u>
Overcast: _____	Afternoon: <u>75 °F</u>	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Cascade Drilling	2	Modification of monitoring wells

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
623B Cat Scraper	7	
623B Cat Scraper	3	
135C John Deere Excavator	7	
310E John Deere backhoe	3	
CAT bull dozer	3	
SD 1000 Roller w/vibrator	4	
200 CC Excavator	7	



Date: 6/14/2005 **Day:** Tuesday

Client: ODEQ

Prepared By:	A. Murphy	Title:	Oversight Supervisor
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DAILY FIELD REPORT NO.: 8

Date: 6/15/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 53 °F	Clean: _____
Part Cldy: x	Midday: 67 °F	Dusty: x
Overcast: _____	Afternoon: 70 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Cascade Drilling	2	Modification of monitoring wells

VISITORS

Time In	Time Out	Name	Representing	Remarks
12:00	17:00	Kevin Parrett	ODEQ	Attend Weekly Progress Meeting
12:00	17:00	George Lukert	E&E	Attend Weekly Progress Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)	MATERIALS DELIVERED TO SITE
924G Cat Loader	4
623B Cat Scraper	7
623B Cat Scraper	7
135C John Deere Excavator	7
310E John Deere backhoe	5
CAT bull dozer	3
SD 1000 Roller w/vibrator	5
Kenworth water Truck	2
200 CC Excavator	7



ecology and environment, inc.

DAILY FIELD REPORT NO.: 8

Date: 6/15/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?
Note noted	

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
See Notes/Issue #1, below	Chad N

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	Dust liberated during afternoon activities. Water truck used.

WORK COMPLETED

1. MH-B was set and pipe run AB was backfilled and compacted to ground surface. All backfilling and compaction has been completed for conveyance piping on runs AB, BC, CE, DE. Run from MH-E to outfall was backfilled and replacement demarcation fabric was laid at approx. 2 feet bgs along the river bank where the cap/demarcation fabric was previously placed during sediment cap construction. Clean topsoil from topsoil stockpile was placed over the demarcation fabric to existing grade. This portion is not yet complete. Some excavation spoils (potentially contaminated) remained adjacent to the pipe trench excavation area (atop the TRM/grassed area). Wilder was directed to remove these spoils upland outside of the clean bank cap.
2. MH-E was grouted along the joints and placement holes.
3. The burial ditch on northwest side of property was completed and materials have started to be placed within the ditch.
4. Subgrade grading activities continued in an area between the support area and the topsoil stockpile. Activities have also moved to within the barrier wall. Wilder is using a grader and a bulldozer to cut the surface. The cut material is then picked up and transported using two scrapers. The material is being hauled to various subgrade fill locations. The vibratory roller is being used to compact the soil soon after the scraper places the material.
5. Cascade drilling modified monitoring wells MW-51, MW-Os, MW-15s, MW-22i, MW-23d, PW-1d, and EW-1s
6. Work on the outfall structure was started. The subgrade was prepped and forms/rebar installation was started.



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DAILY FIELD REPORT NO.: 8

Date: 6/15/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NOTES/ISSUES:

1. During the modification of extraction well EW-1s, creosote residue left on the inside of the outer casing caught fire and shot a small flame through the top of the casing (~8' above the surface). Nobody was injured. The extension process will be modified for future wells containing creosote residue.
2. During the modification of monitoring well MW-10s, the well was damaged beyond repair. The damage occurred while removing the old outer casing and concrete pad. Unlike the previous two removals (where the inner casing did not move) this attempt resulted in the inner casing cemented to the outer casing, and all were lifted ~4.5' above original position.
3. Weekly progress meeting #2 was conducted at Wilder's trailer.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 9

Date: 6/16/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: 57 °F	Clean: _____
Part Cldy: x	Midday: 68 °F	Dusty: x
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Cascade Drilling	2	Modification of monitoring wells

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	1	3 cu. yd. of concrete
623B Cat Scraper	7	Bucket for excavator
623B Cat Scraper	0	
135C John Deere Excavator	3	
310E John Deere backhoe	2	
CAT bull dozer	7	
SD 1000 Roller w/vibrator	5	
Kenworth water Truck	0	
200 CC Excavator	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 9

Date: 6/16/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?
1. Concrete was installed without testing specified in the contract documents being performed.	Wilder, Zander Whitman

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Subgrade preparation activities continued in the area between the support area and the topsoil stockpile, in the north corner of the property extending towards the river, and within the barrier wall. Wilder was using a grader and a bulldozer to cut the surface. The cut material was then picked up and transported using a scraper. The material is being hauled to various subgrade fill locations. The vibratory roller is being used to compact the soil soon after the scraper places the material. Clearing and grubbing has been started in the southeast end of the site.
2. Cascade drilling continued to modify monitoring wells.
3. Wilder completed the forms for the outfall structure, and poured the concrete.
4. Wilder continued to place logs from woody debris pile along the bank.

NOTES/ISSUES:
1. Visitors to the site are not signing in at the Wilder trailer.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 10

Date: 6/17/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 53 °F	Clean: _____
Part Cldy: x	Midday: 60 °F	Dusty: _____
Overcast: _____	Afternoon: 73 °F	Muddy: x
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Cascade Drilling	2	Modification of monitoring wells

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:02	2:49	Eric Wilson	CDI	Well extensions
7:15	2:49	George Benton	CDI	Well extensions
9:15	10:20	Martin D. Flindt	PSC	Drum Pick-up
9:15	10:20	Darrel Whitmore	PSC	Drum Pick-up

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	1	
623B Cat Scraper	7	
623B Cat Scraper	3	
135C John Deere Excavator	6	
310E John Deere backhoe	2	
CAT bull dozer	7	
SD 1000 Roller w/vibrator	5	
Kenworth water Truck	1	
200 CC Excavator	0	



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DAILY FIELD REPORT NO.: 10

Date: 6/17/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Subgrade preparation activities continued in the north corner of the property extending towards the river, within the barrier wall, and in the south corner of the property. Approximately 80% of the property has had subgrade work done to it. Wilder was using a grader and a bulldozer to cut the surface. The cut material was then picked up and transported using a scraper. The material is being hauled to various subgrade fill locations within the barrier wall, and the northwest corner of the property. The vibratory roller is being used to compact the soil soon after the scraper places the material. Clearing and grubbing was continued in the southeast end of the site utilizing the 135C excavator.

2. Cascade drilling modified EW-2s, EW-10s, EW-19s, MW-20i, MW-Gs, MW-Ks, and MW-54s.

3. Wilder removed forms from concrete outfall, and covered the outfall with plastic after it had been wetted.

4. Wilder began rinsing contaminated dirt from large logs using an excavator, and water truck.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 11

Date: 6/20/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 60 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 79 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 85 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Cascade Drilling	2	Modification of monitoring wells

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:00	13:51	Eric Wilson	CDI	Well extensions
8:00	13:51	George Benton	CDI	Well extensions
7:30		Howard Allbaugh	Erectors	steel building
8:25		Marc Dickinson	Farwest	Delivery
9:15		Scott Taylor	Locating Inc.	locate utilities
12:45		Howard Allbaugh	Erectors	steel building
7:10		Larry	Morse Bros	12" aggregate
7:19		Matt	Morse Bros	12" aggregate
16:30		Drew Martin	Wilcox & Flegel	Delivery

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	1	Komatsu WA500 front loader
Volvo A35D dumptruck	7	approx. 23 pallets of demarcation fabric
Volvo A35D dumptruck	7	2 rolls of geotextile
623B Cat Scraper	0	253.16 tons of 12" minus rock for spillway and outfall
CAT VHP grader	7	
135C John Deere Excavator	3	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	0	
CAT bull dozer D6R	7	
SD 1000 Roller w/vibrator	7	
Kenworth water Truck	1	
200 CC Excavator	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 11

Date: 6/20/2005 Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Subgrade preparation activities continued in the northwest corner of the property. Wilder was using a grader and a bulldozer to move and place material to grade. The vibratory roller is being used to compact the soil soon after the grader places the material. Clearing and grubbing was continued in the southeast end of the site utilizing the 200CC excavator and two Volvo dump trucks. The 200CC excavator and Volvo dump trucks were also used to move the last of the log piles to the chipping pile.
2. Cascade drilling modified EW-18s, MW-48s, MW-50s, MW-52s, and MW-56s.
3. Demarcation fabric, rolls of geotextile, and 12" minus rock for outfall and spillway were delivered to the site today.

NOTES/ISSUES:
none

Prepared By: A. Murphy	Title: Oversight Supervisor
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DAILY FIELD REPORT NO.: 12

Date: 6/21/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 70 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 80 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Cascade Drilling	3	Installation of new monitoring wells.

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:00		Wayne Olsen	NW Geotech	Proctor Samples
16:35	17:15	Drew Martin	Wilcox & Flegel	Delivery
11:00		Jeff Murphy	CDI	Drilling
11:00		D. Metzger	CDI	Drilling
3:57		Eric Wilson	CDI	Drilling

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	7	
Volvo A35D dumptruck	7	
623B Cat Scraper	0	
CAT VHP grader	7	
135C John Deere Excavator	1	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	7	
CAT bull dozer D6R	7	
SD 1000 Roller w/vibrator	7	
Kenworth water Truck	1	
200 CC Excavator	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 12

Date: 6/21/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Subgrade preparation activities continued in the northwest and southwest areas of the property. Wilder used a frontend loader and two Volvo dumptrucks to move soil from the retention pond area to the northwest corner of the site. Once the soil was transported a grader and a bulldozer were used to place material. The vibratory roller is being used to compact the soil soon after the grader places the material.
2. Cascade Drilling began drilling the new monitoring well MW-1r.
3. Wilder began preparing the barge off load area within the Metro property. They utilized the 200CC excavator to cut a shelf into the bank and to create a staging area.
4. Wilder began laying demarcation fabric for the access road near the entrance to the property.

NOTES/ISSUES:
none

Prepared By: A. Murphy	Title: Oversight Supervisor
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ecology and environment, inc.

DAILY FIELD REPORT NO.: 13

Date: 6/22/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: _____
Part Cldy: x	Midday: 66 °F	Dusty: _____
Overcast: _____	Afternoon: 70 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Cascade Drilling	3	Installation of new monitoring wells.

VISITORS				
Time In	Time Out	Name	Representing	Remarks
1:15		Walter Schmidt	Halton Rental	service
16:55	17:15	Drew Martin	Wilcox & Flegel	Delivery
8:07	18:00	Jeff Murphy	CDI	Drilling
8:07	18:00	D. Metzger	CDI	Drilling
11:45	17:14	Steve Campbell	DEQ	Weekly Meeting
11:45	16:49	Kevin Parrett	DEQ	Weekly Meeting
11:45	15:05	Chad Nancarrow	E&E	Weekly Meeting
14:19	17:20	Susan Gardner	E&E	Weekly Meeting
10:15	17:20	Zander Whitman	E&E	Weekly Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	800 tons of 3/4" -minus rock for the access road
Volvo A35D dumptruck	7	
Volvo A35D dumptruck	7	
623B Cat Scraper	0	
CAT VHP grader	7	
135C John Deere Excavator	0	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	4	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	7	
Kenworth water Truck	0	
200 CC Excavator	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

13

Date: 6/22/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Subgrade preparation activities continued all along the western edge of the property. Wilder began subgrade activities on the eastern edge of the property, south of the support facilities. Wilder used a 200CC excavator to excavate the retention pond area and load soil into the two Volvo dumptrucks. The dumptrucks transported the soil to the western edge of the site, and to the area south of the support facilities. Once the soil was transported a grader and a bulldozer were used to place material. The vibratory roller is being used to compact the soil soon after the grader places the material.
2. Cascade Drilling installed MW-61s, set the monument for MW-1r, and began preparing for MW-62i.
3. In further preparation for transportation of material by barge Wilder used the bull dozer to finish clearing the barge off loading area and Ross island mobilized and moored their crane-barge near the off load area.
4. Wilder finished laying the demarcation fabric for the access road through the northeast corner of the property. The Komatsu loader was used to spread 1.5"-minus rock over the demarcation fabric to create the road and turn around area.

NOTES/ISSUES:
none

Prepared By: A. Murphy	Title: Oversight Supervisor
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ecology and environment, inc.

DAILY FIELD REPORT NO.:

14

Date: 6/23/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 55 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 60 °F	Dusty: <input type="text"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 75 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Cascade Drilling	3	Installation of new monitoring wells.

VISITORS

Time In	Time Out	Name	Representing	Remarks
6:20		Jon Sparks	Northwest Geotech, Inc.	compaction testing
6:20		Adam Koslofskey	Northwest Geotech, Inc.	compaction testing
3:30	4:15	Don Larson	CDI	site visit
3:30	4:15	G. Benton	CDI	site visit
3:45		Steve	Ampere	install luminary
3:15		Geary McEadden	Ampere	install luminary
3:15		Chad	Ampere	install luminary
3:45		Jim Unfried	Ampere	install luminary
4:40		Drew Martin	Wilcox & Flege Oil	Delivery
6:40	3:30	Darin Dorn	SMA	building construction
6:45	3:30	Roy Jennings	SMA	building construction
6:56	5:00	Eric Wilson	CDI	drilling
6:56	5:00	Jeff Murphy	CDI	drilling
6:56	5:00	D. Metzger	CDI	drilling
10:50	3:00	Zander Whitman	E&E	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	80.5 tons of 1.5" -minus rock for the access road
Volvo A35D dumptruck	7	
Volvo A35D dumptruck	2	
623B Cat Scraper	0	
CAT VHP grader	7	
135C John Deere Excavator	6	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	2	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	7	
Kenworth water Truck	5	
200 CC Excavator	6	



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DAILY FIELD REPORT NO.:

14

Date: 6/23/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater control:	na
Other	

WORK COMPLETED

1. Subgrade preparation activities continued all along the western edge of the property, and the eastern edge of the property south of the support facilities. Wilder used a 200CC excavator to excavate the retention pond area and load soil into a Volvo dumptruck. The dumptruck transported the soil to various fill locations on site. Once the soil was transported a grader and a bulldozer were used to place material. The vibratory roller is being used to compact the soil soon after the grader places the material.
2. Cascade Drilling completed MW-62i, except for installing the monument. Work began on MW-59s; of the thirty-five total feet, twenty-five feet are completed.
3. Compaction testing was started by Northwest Geotech, Inc. Compaction tests were completed on Wilder developed grid numbers O7, O8, P7, Q7, and R7. Refer to Notes/Issues for a discussion of the results.
4. Work continued on the access road through the northeast corner of the property. The remainder of 1.5" rock need for the road was delivered, and spread over the demarcation fabric.
5. Wilder started, and completed, chipping the remaining wood debris and grubbed vegetation.
6. Ross island Sand and Gravel began to assemble their conveyor system in the barge off load area

NOTES/ISSUES:

1. The compaction testing subcontractor is encountering rocky soil and non-homogenous soils. A high percentage of rock not passing an ASTM specified sieve size causes the results of nuclear testing to be inconclusive and erroneous. Alternative proctor development methods and compaction measurement may be required.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 15

Date: 6/24/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 60 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 66 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 75 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	10	
Cascade Drilling	4	Installation of new monitoring wells.
David Evans and Associates	4	Subgrade survey/verification
Northwest Geotech, Inc.	1	Compaction testing
Portland General Electric	?	

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (EST. HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	6	
Volvo A35D dumptruck	5	
623B Cat Scraper	0	
CAT VHP grader	7	
135C John Deere Excavator	0	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	6	
CAT bull dozer D6R	6	
CAT CS-563E Roller	6	
Water Truck (United Rentals)	6	
SD 1000 Roller w/vibrator	7	
Kenworth water Truck	0	
200 CC Excavator	6	



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DAILY FIELD REPORT NO.: 15

Date: 6/24/2005 Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Subgrade preparation continued in the retention pond area. The 200CC excavator was being used to load the soil into the two Volvo dumptrucks, and the bull dozer was being used to move the excavated material to near by locations. Soil was transported to the north corner of the property, and to the area south of the support facilities. Wilder has also began excavating the spillway for the retention pond. Two vibratory rollers, a grader, and a water truck were being utilized within the barrier wall for final subgrade preparation, and compaction.
2. Cascade Drilling completed MW-59s, installed the monument for MW-62i, and abandoned the inclinometer in the FWDA.
3. Northwest Geotech, Inc continued compaction testing. Compaction test have been completed for Wilder grid numbers R7, S7, M8, N8, P8, Q8, L9, M9, N9, O9, P9, K10, L10, M10, N10, O10, P10, L11, M11, N11, O11, P11, and U8.
4. Fencing along northern edge of the property has been removed. The fencing fabric was put into rolls, and the fence post were pulled out using the 200CC excavator.
5. PGE installed the replacement power pole in the FWDA.
6. Ross island Sand and Gravel continued to assemble their conveyor system in the barge off load area.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 16

Date: 6/25/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 60 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 70 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 80 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	5	
Northwest Geotech	2	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	0	
Volvo A35D dumptruck	0	
623B Cat Scraper	2	
CAT VHP grader	3	
135C John Deere Excavator	0	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	6	
CAT bull dozer D6R	0	
CAT CS-563E Roller	5	
Water Truck (United Rentals)	5	
SD 1000 Roller w/vibrator	5	
Kenworth water Truck	0	
200 CC Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 16

Date: 6/25/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	na
Inspect barge offloading	na
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Subgrade preparation continued within the wall and in the retention pond area. The focus of the work effort today was compaction of enough area within the wall to allow placement of sand expected to arrive on-site Monday morning. The acting Superintendent was informed that all the areas within the wall require compaction, not just the ones being tested. The test areas are those with fill greater than four inches.
2. The fence posts that remained after the removal of the fencing were consolidated and the fencing was stockpiled on the ACB storage pad.
3. Northwest Geotech, Inc. continued compaction testing. Compaction test have been completed for Wilder grid numbers: V8, V9, W9, X9, Y10, Z10, AA10, BB10, AA11, BB11, CC11, DD11, AA12, and T11 (SEE Note 2).

NOTES/ISSUES:

1. There are four valve boxes to the north of the site within the BNRR right of way that require modification before the Upland Cap can be completed in the area. The valves are associated with the large diameter gas line.
2. Compaction testing has identified an area of concern. It appears that a soil type with a higher percentage of fine grained silts is not compacted to 95%. E&E recommended that the area be scarified, moisture added, and recompacted. The grid numbers that did not pass are BB12-EE12.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 17

Date: 6/27/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: x (AM)
Part Cldy: _____	Midday: 65 °F	Dusty: _____
Overcast: _____	Afternoon: 70 °F	Muddy: x (PM)
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
PGE	2	Replacement of power poles in FWDA
Cascade Drilling	7	Well installment
Drew Martin	1	Delivery- Fuel
Northwest Geotech	2	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	7	
Volvo A35D dumptruck	7	
623B Cat Scraper	0	
CAT VHP grader	7	
135C John Deere Excavator	0	
Deere 310G Backhoe	0	
Komatsu WA500 front loader	5	
CAT bull dozer D6R	7	
CAT CS-563E Roller	2	
Water Truck (United Rentals)	5	
SD 1000 Roller w/vibrator	1	
Kenworth water Truck	2	
200 CC Excavator	7	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 17

Date: 6/27/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
1. Wilder began placing Leveling Layer Sand before completion of subgrade verification per contract.		Notification by EEWC-14
2. Conveyance pipe between MH-D and MH-E was struck and damaged during the excavation of the anchor trench (See Note 1.).		
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.	
Inspect equipment (leaks?)	none noted	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	none noted	
Inspect barge offloading	Yes	
Inspect stockpiles & stormwater controls	na	
Other		
WORK COMPLETED		
1. Cascade Drilling Inc. Installed Wells MW-35r, and MW-10r. However, they did not install the monument MW-10r. MW-60d has been drilled but not installed. Wells MW-59s, MW-1r and MW-61i were developed.		
2. Wilder began off loading sand from Ross Island sand and gravel, 6600 tons were delivered. Wilder used a clam shell, hopper, and conveyor to move sand from barge to staging area. From the staging area Wilder utilized the Komatsu front loader and two Volvo dumptrucks to transport the sand to the site. Once on site, a bulldozer, and scraper were used to spread the sand.		
3. More fence was removed from the northern edge of the property today. Fence fabric is being salvaged and stockpiled by the ACB for later use. The fence posts were removed using an excavator and stockpiled for off-site disposal.		
4. Northwest Geotech, Inc. continued compaction testing today. Compaction tests have been completed for Wilder grid numbers: U-X-11 and S-Z-12. Multiple grid areas were encountered that did not meet compaction requirements. The grid areas that did not meeting compaction were Y-DD-13 and CC-14. The area identified Saturday that did not meet compaction and where scarification, addition of water, and compaction were required to correct failures was not retested.		
5. Work on the anchor trench was started today, using the 200 CC excavator. Wilder began at the northern end of the bank and worked their way south. At the end of the day Wilder has completed the anchor trench around the southern part of the barrier wall.		
6. Minor subgrade work was performed in an ares south of the support facilities.		



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DAILY FIELD REPORT NO.: 17

Date: 6/27/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NOTES/ISSUES:

1. While excavating the anchor trench the pipe between MH-D and MH-E was damaged. Wilder has already removed MH-D, removed the inner pipe, and removed the outer pipe up to the section that was damaged. They will have new pipe segments, and air pressure testing equipment delivered to the site Tuesday morning.

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 18

Date: 6/28/2005 Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input checked="" type="checkbox"/>
Part Clcy: <input type="checkbox"/>	Midday: 63 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 70 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
PGE	7	Replacement of power poles in FWDA
Cascade Drilling	3	Well installation
Drew Martin	1	Delivery- Fuel
Northwest Geotech	1	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	2 lengths of 12" corrugated pipe to replaced damaged sec.
Volvo A35D dumptruck	9	
Volvo A35D dumptruck	9	
623B Cat Scraper	0	
CAT VHP grader	9	
Komatsu WA500 front loader	9	
CAT bull dozer D6R	9	
CAT CS-563E Roller	0	
Water Truck (United Rentals)	0	
SD 1000 Roller w/vibrator	3	
Kenworth water Truck	2	
200 CC Excavator	7	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 18

Date: 6/28/2005 Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	none noted
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Cascade finished drilling and installing MW-60d, except for installation of the monument. Well development was completed on MW-10r, MW-61s, and MW-35r.
2. Wilder continued to offload sand from Ross Island Sand and Gravel. Wilder used a clam shell, hopper, and conveyor to move sand from barge to staging area. From the staging area Wilder utilized the Komatsu front loader and two Volvo dumptrucks to transport the sand to the site. Once on site, a bulldozer and scraper were used to spread the sand.
3. The remainder of the fence was removed from the northern edge of the property. Fence fabric is being salvaged and stockpiled by the ACB for later reuse. The fence posts were removed using an excavator and stockpiled for off-site disposal.
4. Northwest Geotech, Inc. continued compaction testing today. The grid areas that did not meet compaction previously were Y-DD-13, CC-14, and Y-Z-11. Of those grids, all have now passed, except for CC-EE-12. The decision was made to accept CC-EE-12 based on compactive effort observed. Areas outside the barrier wall that have 8" or more of backfill have been identified on the Wilder grid, and compaction testing has been started in these areas.
5. Excavation of the anchor trench continued today. The trench has been completed along the eastern edge of the barrier wall, down to the northern edge.
6. Wilder removed the plastic covering from the sides of the existing topsoil stockpile. The top of the stockpile remains covered.
7. Wilder repaired the pipe run from MHD to MHE, and re-installed MHD. The run was pressure tested, partially backfilled, and compacted with a jumping jack.
8. PGE continued working on connecting the powerlines to the new pole in the FWDA.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.:

19

Date: 6/29/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 65 °F	Dusty: <input type="text"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 80 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
PGE	4	Replacement of power poles in FWDA
Cascade Drilling	4	Well installation
Drew Martin	1	Delivery - Fuel
Northwest Geotech	1	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:00	16:15	Kevin Parrett	DEQ	Meeting
10:00	11:30	D. Wall	DEQ	Hazardous Waste/ Inspection
11:15	17:45	Alexander Whitman	E&E	Construction Oversight/Meeting
11:30	4:20	Chad Nancarrow	E&E	Construction Oversight/Meeting
12:00	16:15	Steve Campbell	DEQ	Meeting
12:30	17:45	Mark Allen	E&E	Construction Oversight/Meeting
14:15	15:53	K. Johnson	DEQ	Tour

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	9	
Volvo A35D dumptruck	9	
623B Cat Scraper	0	
CAT VHP grader	9	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	9	First day of use
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	1	
Kenworth water Truck	6	
200 CC Excavator	7	



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DAILY FIELD REPORT NO.:

19

Date: 6/29/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area. Silt fencing along barge off load area is becoming overwhelmed with sand. Wilder was notified.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	none noted
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Cascade drilling installed the monuments for MW-60d, and MW10r. Well development was completed on MW-60d.
2. Wilder continued to offload sand from Ross Island Sand and Gravel. Wilder used a clam shell, hopper, and conveyor to move sand from barge to staging area. From the staging area, Wilder utilized the Komatsu front loader and two Volvo dumptrucks to transport the sand to the site. Once on site, a bulldozer, grader, and 924G CAT loader were used to spread the sand. The Kenworth water truck was utilized at the barge off load area for dust control and on-site to add moisture to the sand as it was placed.
3. Scarification occurred on the areas west of the topsoil stockpile, south of the support facilities, and in the northern corner of the property. Scarification was done to the maximum depth possible utilizing the grader.
4. Northwest Geotech continued compaction testing in the Wilder grid areas outside the barrier wall. Prior to scarification, grids did not pass compaction testing. After scarification, the grids passed the compaction testing.
5. Excavation of the anchor trench was completed today.
6. Wilder removed the remainder of the plastic covering from the topsoil stockpile. They began pushing topsoil down onto demarcation fabric to create a road around the topsoil pile.
7. PGE continued working on connecting the power lines to the new pole in the FWDA.

NOTES/ISSUES:

1. Silt fencing at barge off load area is becoming overwhelmed by sand. Wilder was notified and instructed to correct the situation before operations begin tomorrow.

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 20

Date: 6/30/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 60 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 65 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 80 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Cascade Drilling	1	Pick up equipment
Drew Martin	1	Delivery- Fuel
Northwest Geotech	1	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
13:05	16:30	Jim Pertersen	E&E	Site Orientation
8:45	15:12	Alexander Whitman	E&E	Support Fac. And Demo. C.O.
8:45	15:12	Marc Allen	E&E	Const. Oversight Audit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	9	27 boxes of Welding Rod HDPE GWR-HD5MM
Volvo A35D dumptruck	9	12 Rolls of geomembrane
623B Cat Scraper	0	
CAT VHP grader	9	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	6	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	1	
Kenworth water Truck	6	
200 CC Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 20

Date: 6/30/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area. Silt fencing will be modified tomorrow to improve performance, see note 1.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	none noted
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Cascade Drilling removed equipment and supplies that were still on site.
2. Wilder continued to offload sand from Ross Island Sand and Gravel. Wilder used a clam shell, hopper, and conveyor to move sand from the barge to the staging area. From the staging area, Wilder utilized the Komatsu front loader and two Volvo dumptrucks to transport the sand to the site. Once on site, a bulldozer, grader, and 924G CAT loader were used to spread the sand. The Kenworth water truck was utilized at the barge off load area for dust control, and on-site to add moisture to the sand as it was placed. Wilder has completed rough installation of the Sand Leveling Layer over entire impermeable cap area.
3. Demarcation fabric was laid in the area between the barrier wall and the retention pond. The fabric is being unrolled side by side, and then fastened with zip ties approximately every 10 feet. Wilder, utilizing the D6R bulldozer, has begun spreading the stockpiled topsoil over the demarcation fabric.
4. Northwest Geotech continued compaction testing in the Wilder grid areas outside the barrier wall, and began compaction testing for the leveling sand layer. Fifty-three grid locations were tested today.



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DAILY FIELD REPORT NO.: 20

Date: 6/30/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NOTES/ISSUES:

1. Wilder installed new silt fencing at the barge off loading area at the beginning of the day, but the fencing needs to be installed further down the bank. Wilder decided they would provide extra support for the silt fencing by utilizing plywood, and they will clean out the spilled material every morning.
2. NW gas visited site regarding valve boxes vaults. Dave Larson said that adding fill over the gas line is okay, but they would like to have the location of the boxes marked in some way in case they need to locate them at a later date. The 16" gas line is abandoned, but is still pressurized.

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 21

Date: 7/1/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather

Clear: x
Part Cldy:
Overcast:
Rain:
Fog:
Snow:
Other:

Temperature

Morning: 60 °F
Midday: 65 °F
Afternoon: 80 °F

Site Conditions

Clean: x
Dusty:
Muddy:
Other:

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Drew Martin	1	Delivery- Fuel
Northwest Geotech	1	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat Loader	2	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	8	12 rolls of geomembrane
Volvo A35D dumptruck	8	
623B Cat Scraper	0	
CAT VHP grader	8	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	4	
CAT bull dozer D6R	0	
SD 1000 Roller w/vibrator	2	
Kenworth water Truck	5	
200 CC Excavator	8	



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DAILY FIELD REPORT NO.: 21

Date: 7/1/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	none noted
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Wilder continued to offload sand from Ross Island Sand and Gravel. Wilder used a clam shell, hopper, and conveyor to move sand from the barge to the staging area. From the staging area, Wilder utilized the Komatsu front loader and one Volvo dumptruck to transport the sand to the concrete pad near the barge off-loading area. The Kenworth water truck was utilized at the barge off load area for dust control and on-site to add moisture to the sand. On site, the grader and roller were utilized for final grading of the leveling sand layer.
2. Demarcation fabric was laid along the eastern edge of the barrier wall, and soil from the topsoil stockpile was placed to make a clean road. The road will be used to transport sand from the concrete pad at the barge area to the retention pond for stockpiling.
3. Wilder used a Volvo dumptruck and 200 CC excavator to transport the stockpiled sand to the retention pond.
4. Compaction testing continued on areas within the sand leveling layer.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 22

Date: 7/5/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 60 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 65 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Drew Martin	1	Delivery- Fuel
Northwest Geotech	1	Soil density testing

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	8	12 Rolls of geomembrane
Volvo A35D dumptruck	8	
623B Cat Scraper	1	
CAT VHP grader	8	
Komatsu WA500 front loader	5	
CAT bull dozer D6N	5	
CAT bull dozer D6R	5	
SD 1000 Roller w/vibrator	0	
VR-843 highlift	1	delivered to site today, by NW Linings
Kenworth water Truck	5	
200 CC Excavator	3	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 22

Date: 7/5/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.
Inspect equipment (leaks?)	none noted
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Inspected at 4-hour intervals. No elevated turbidity noted.
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Wilder continued offloading sand from Ross Island Sand and Gravel. Wilder used a clam shell, hopper, and conveyor to move sand from the barge to the staging area. From the staging area Wilder utilized the Komatsu front loader and two Volvo dumptrucks to transport the sand to the concrete pad near the barge off loading area. The Kenworth water truck was utilized at the barge off load area for dust control, and on-site to add moisture to the sand. The 200CC excavator was also used to load the dump trucks once the sand under the conveyor accumulated. On site, the grader was utilized for final grading of the leveling sand layer.
2. Wilder laid demarcation material on subgrade near the excavation for the retention pond.
3. Wilder used two Volvo dumptrucks to transport the stockpiled sand to the retention pond excavation area, and used the Caterpillar D6N bulldozer to spread the sand.
4. Compaction testing continued on the sand leveling layer.
5. Wilder used D6R Caterpillar dozer to spread soil from stockpile on southeast corner of site to push soil onto demarcation material.
6. Scarification of the area east of the barrier wall was completed, except for an access road that leads around the east side of the topsoil stockpile.
7. NW Linings arrived with 12 more rolls of geomembrane, and equipment.
8. Wilder began assembly of the gas vents.

NOTES/ISSUES:

none

Prepared By:

A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 23

Date: 7/6/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: x
Part Cldy: x	Midday: 62 °F	Dusty: _____
Overcast: _____	Afternoon: 80 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Drew Martin	1	Delivery- Fuel
David Evans & Assoc. (DEA)	4	Survey Sand leveling layer
NW Linings & Geotextile	13	Installation of Geomembrane
Northwest Geotech	1	Soil density testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:45	12:30	Barry Cope (?)	NW Hydro-Mulchers	Weekly Meeting
12:45		Pat Turina	Wilder	Weekly Meeting
12:10	15:40	George Lukert	E&E	Weekly Meeting
12:15	15:40	John Montgomery	E&E	Weekly Meeting
12:15	16:10	Kevin Parrett	DEQ	Weekly Meeting
11:45	15:15	Steve Campbell	DEQ	Weekly Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	9	Top Soil (unknown quantity). No delivery tickets submitted
Volvo A35D dumptruck	9	
623B Cat Scraper	8	
CAT VHP grader	2	
Komatsu WA500 front loader	5	
CAT bull dozer D6N	6	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	8	Used by NW Linings for membrane deployment
VR-843 highlift	8	Used by NW Linings for membrane deployment
Kenworth water Truck	5	
200 CC Excavator	3	



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DAILY FIELD REPORT NO.: 23

Date: 7/6/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
Grading for the Sand Leveling Layer does not meet design lines and grade (See Note 1.).		DEQ, Wilder, and E&E Key Personnel
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags placed around outfall excavation area along the bank, and silt fencing placed at barge off load area.	
Inspect equipment (leaks?)	Yes, one loader was found to have a leak. The rental company's maintenance service was contacted and the leak was fixed	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Inspected at 4-hour intervals. No turbidity noted.	
Inspect barge offloading	Yes	
Inspect stockpiles & stormwater controls	na	
Other		
WORK COMPLETED		
1. Wilder completed the transpiring of sand from the barge off loading area to the retention pond. Once completed Wilder transported the remaining sand to a stockpile area on the Metro property on the concrete slab. Two Volvo dumptrucks, and the Komatsu loader were used to transport the sand.		
2. Wilder began offloading and placing topsoil from the barges today. Two Volvo dumptrucks and the Komatsu loader were used to transport the topsoil. Wilder was directly loading sand from the conveyor into the dumptrucks.		
3. Wilder continued to lay demarcation fabric in the retention pond area, and in the northern part of the property between the access road and support facilities. They also laid a small area of demarcation fabric between the topsoil stockpile and support facilities in order to expand their access road. The Komatsu was used only to push down small piles of topsoil that would accumulate between truck loadings. Once topsoil was transported to site it was off loaded west of the support facilities, and pushed towards the existing topsoil stockpile by a bull dozer.		
4. NW Linings started installing geomembrane within the northern area of the barrier wall. Approximately 2 acres of liner has been installed. They utilized the highlift with a spreader bar, and roller to deploy the membrane. Welding of the seams has been completed, however no pressure testing has been completed.		
5. NW Geotech completed compaction testing of the sand leveling layer this morning.		
6. Wilder utilized the D6R Caterpillar bulldozer and the scraper to place topsoil from the existing stockpile on-site to area adjacent to it between the retention pond and the barrier wall.		
7. DEA was on-site to survey the sand leveling layer.		



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DAILY FIELD REPORT NO.: 23

Date: 7/6/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NOTES/ISSUES:

1. The grading from the anchor trench into the flow line of the drainage pipe was found to be out of specification. The grade is supposed to be 2% (1.6%-2.4% according to allowable tolerance). Wilder chose to proceed without completion of the verification procedure and were, therefore, proceeding at their own risk. To correct the problem Wilder pulled back the liner and placed a sand berm that was graded/blended to compensate. The liner was then replaced. Areas are going to be checked with the on-site grade control system prior to placement of the liner, and an agreement was made during the weekly meeting that subgrade verification would be completed for the Sand Leveling Layer using on-site systems with the survey topographic drawings as confirmation.

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 24

Date: 7/7/2005 Day: Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 65 °F	Clean: x
Part Cldy: x	Midday: 70 °F	Dusty: _____
Overcast: _____	Afternoon: 85 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Drew Martin	1	Delivery- Fuel
David Evans & Assoc. (DEA)	4	Survey Sand leveling layer
NW Linings & Geotextile	13	Installation of Geomembrane
Qwest	3	Removal of pole
DEA	3	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Sand (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	9	Topsoil (unknown quantity). No delivery tickets submitted.
Volvo A35D dumptruck	9	
623B Cat Scraper	8	
CAT VHP grader	2	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	6	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	8	Used by NW Linings
VR-843 highlift	8	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	2	



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DAILY FIELD REPORT NO.:

24

Date: 7/7/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Silt fencing used to keep soil from entering the river at the barge area has been engulfed. The silt fencing is approximately two feet from the river and was effective at containment. Wilder was informed and agreed to perform the necessary maintenance each morning to keep the soil from the river.
Inspect equipment (leaks?)	Yes
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Inspected at 4-hour intervals. No turbidity noted.
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Qwest removed telephone poles from northwest corner of the property.
2. Wilder continued offloading and placing topsoil from the barges today. Two Volvo dumptrucks and the Komatsu loader were used to transport the topsoil. Wilder was directly loading topsoil from the conveyor into the dumptrucks. Once on site the topsoil was placed by bull dozer along the eastern side of the barrier wall, between the support facilities and the existing topsoil pile. Topsoil was also placed in the area between the Wilder access road and the support
3. Wilder continued to lay demarcation fabric in the retention pond area, north of the topsoil stockpile, and in the northern part of the property between the access road and the support facilities.
4. NW Linings continued to install geomembrane within the northern area of the barrier wall. Approximately 5 acres of liner has been installed. They utilized the highlift with a spreader bar and roller to deploy the membrane. Welding of all seams has been completed, but initial pressure testing has only been completed on one seam.
6. Wilder utilized the D6R Caterpillar bulldozer and the scraper to place topsoil from the existing stockpile on-site to area adjacent to it between the retention pond and the barrier wall.
7. DEA was on-site to survey the subgrade outside barrier walls.
8. Per an agreement made during the weekly meeting, Wilder and E&E worked together to verify the 2% slope around outer edge of barrier wall. The flow line for the collection piping was verified and found to be acceptable. The slopes around the outer edge of the barrier wall have been found to be acceptable.

NOTES/ISSUES:

none

Prepared By:

A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 25

Date: 7/8/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: x
Part Cldy: _____	Midday: 65 °F	Dusty: _____
Overcast: x	Afternoon: 70 °F	Muddy: _____
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Drew Martin	1	Delivery- Fuel
NW Linings & Geotextile	13	Installation of Geomembrane
DEA	3	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	2	Topsoil (unknown quantity). No delivery tickets submitted
Volvo A35D dumptruck	9	
Volvo A35D dumptruck	9	
623B Cat Scraper	8	
CAT VHP grader	2	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	6	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	8	Used by NW Linings
VR-843 highlift	8	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	2	



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DAILY FIELD REPORT NO.: 25

Date: 7/8/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Silt fencing used to keep soil from entering the river at the barge area has been engulfed. The silt fencing is approximately two feet from the river and was effective at containment. Wilder was informed and agreed to perform the necessary maintenance each morning to keep the soil from the river.
Inspect equipment (leaks?)	Yes
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Inspected at 16:00. No turbidity noted.
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. Wilder workers dug away the soil that had built up against the silt fence between the barge offloading hopper and the Willamette River shoreline. They also installed a second silt fence down slope.
2. Wilder continued offloading and placing topsoil from the barges today. Two Volvo dumptrucks and the Komatsu loader were used to transport the topsoil. Wilder was directly loading topsoil from the conveyor into the dumptrucks. Once on site the topsoil was placed by bull dozer along the eastern side of the barrier wall, between the support facilities and the existing topsoil pile. Topsoil was also placed in the area between the Wilder access road and the support facilities in the northern corner of the site.
3. Wilder continued to lay demarcation fabric north of the topsoil stockpile, and west of the support facilities.
4. NW Linings continued to install geomembrane within the northern area of the barrier wall. Approximately 7 acres of liner has been installed. They utilized the highlift with a spreader bar and roller to deploy the membrane. Due to rain NW Linings stopped deploying panels at 11:30 today. Welding was completed for 3.5 of 5 seams that were produced today. NW Linings continued with air pressure testing, and patching for approximately one hour until increased rain caused them to stop work at 1:30. Destructive testing for seams 1-3 was performed today, samples have not yet been sent to the independent testing laboratory.
6. Wilder utilized the D6R Caterpillar bulldozer and the Caterpillar 623 scraper to place topsoil from the existing stockpile on-site to area adjacent to it between the retention pond and the barrier wall.



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DAILY FIELD REPORT NO.: 25

Date: 7/8/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

WORK COMPLETED (Continued)

7. DEA was on-site to survey the subgrade outside barrier walls.

8. Wilder and E&E worked together to verify the elevations and slope along the perforated collection pipe alignment between manholes MH-B and MH-C. Measurements indicated that the elevation was lower than the project specification along an approximately 50-foot section along the highest point of this pipe alignment (grade break area). Wilder added approximately 3.5 cu.yds of sand and hand-raked to adjust the subgrade elevation.

9. Wilder began excavation of the retention pond spillway.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



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DAILY FIELD REPORT NO.: 26

Date: 7/9/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: x
Part Cldy: _____	Midday: 70 °F	Dusty: _____
Overcast: x	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	10	
Drew Martin	1	Delivery- Fuel
NW Linings & Geotextile	13	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
Volvo A35D dumptruck	8	
Volvo A35D dumptruck	8	
623B Cat Scraper	8	
CAT VHP grader	0	
Komatsu WA500 front loader	1	
CAT bull dozer D6N	6	
CAT bull dozer D6R	6	
SD 1000 Roller w/vibrator	3	Used by NW Linings
VR-843 highlift	3	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 26

Date: 7/9/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags were installed at retention pond spillway excavation. Silt fencing remains in place at the barge off loading area.
Inspect equipment (leaks?)	Yes
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	None noted
Inspect barge offloading	Yes
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Wilder continued to place topsoil from the existing stockpile on-site to the area between the retention pond and the barrier wall. They were utilizing the D6N Caterpillar bulldozer and the Caterpillar 623 scraper.
2. Wilder used the D6R Caterpillar bulldozer equipped with TopCon blade elevation control to cut subgrade north of the barrier wall, and to cut road subgrade southwest of the retention pond.
3. Wilder continued to lay demarcation fabric north of the topsoil stockpile.
4. Wilder continued excavation of the retention pond spillway using John Deere 200C excavator, loading two Volvo articulated haul trucks. Cut soil was placed in designated area northeast of barrier wall.
5. NW Linings continued to install geomembrane within the barrier wall. Approximately 8 acres of liner has been installed. They utilized the highlift with a spreader bar and roller to deploy the membrane. Due to wet conditions NW Linings stopped deploying panels at 10:30 today. Welding was completed for all seams. NW Linings continued with air pressure testing, and welding seams the wet conditions caused them to stop work at 1:30.

NOTES/ISSUES:

none

Prepared By: A. Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 27

Date: 7/11/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: _____
Part Cldy: x	Midday: 70 °F	Dusty: x
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
NW Linings & Geotextile	12	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	5 rolls of geomembrane
Volvo A35D dumptruck	10	29 rolls of geocomposite
Volvo A35D dumptruck	10	81 rolls of geotextile
623B Cat Scraper	9	
CAT VHP grader	0	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	6	Used by NW Linings
VR-843 highlift	6	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 27

Date: 7/11/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.
Inspect equipment (leaks?)	Yes
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	None noted
Inspect barge offloading	Silt fence needs reinforcing near shoreline.
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED

1. Wilder continued to place topsoil from the existing stockpile on-site to the area between the retention pond and the barrier wall. They were utilizing the D6N Caterpillar bulldozer and the Caterpillar 623 scraper.
2. Wilder used the D6R Caterpillar bulldozer equipped with TopCon blade elevation control to cut subgrade north of the barrier wall, and to cut road subgrade southwest of the retention pond.
3. Wilder continued to lay demarcation fabric north of the topsoil stockpile.
4. Wilder continued excavation of the retention pond spillway using John Deere 200C excavator, loading two Volvo articulated haul trucks. Cut soil was placed in designated area northeast of barrier wall.
5. NW Linings continued to install geomembrane within the barrier wall. Approximately 9 acres of liner has been installed. They utilized the highlift with a spreader bar and roller to deploy the membrane. Due to windy conditions NW Linings stopped deploying panels at 12:30 today. Welding was completed for all panels, except for one length of seam. During the remainder of the day NW Linings performed patching on seams 1,2, and 3. Patching was performed by first placing a patch over the desired area and heat tacking it in place. Then the edge of the patch and membrane were grinded, and extrusion welded. Patching occurred until 5:30 pm.
6. Wilder layed geotextile fabric in retention pond spillway utilizing 924 IT, then began placing rock material. Two Volvo articulated haul trucks, loaded with a John Deere 200C excavator, were used to move the rock material.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.:

28

Date: 7/12/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: _____
Part Cldy: x	Midday: 70 °F	Dusty: x
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
Ross Island Sand and Gravel	2	Barge off-loading
NW Linings & Geotextile	12	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
623B Cat Scraper	9	
CAT VHP grader	0	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	6	Used by NW Linings
VR-843 highlift	6	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

28

Date: 7/12/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	None noted	
Inspect barge offloading	Yes, the silt Fence is retaining the spillage around the conveyor system hopper, however, daily maintenance is required. E&E is insuring that Ross Island performs the necessary maintenance.	
Inspect stockpiles & stormwater controls	na	
Other		
WORK COMPLETED		
1. Wilder continued to place the topsoil layer in an area between the retention pond and the barrier wall. The Caterpillar 623 scraper was utilized to load and transport the material from the on-site stockpile. The D6N Caterpillar bulldozer was utilized to spread the material to grade.		
2. Wilder used the D6R Caterpillar bulldozer equipped with automated blade elevation control to cut the subgrade north of the barrier wall and to cut the road subgrade southwest of the retention pond.		
3. Wilder continued to lay demarcation fabric north of the topsoil stockpile.		
4. NW Linings continued to install geomembrane within the barrier wall today. To date, approximately 9 acres of liner has been installed (the membrane deployed and the seams welded). The highlift with a spreader bar and roller was utilized to deploy the membrane. Panels of geomembrane were installed until 11:30 am. Air pressure testing was completed for seam 13 and is completed to 13 except for one section of seam 11. Repair of the test areas, failed seams, and damaged areas continued today on seams 1 through 10. A repair consists of patching and performing vacuum testing. Patching is a three step procedure. The first step is accomplished by placing an appropriately sized piece of geomembrane with rounded edges over the area and heat tacking it in place. The second is preparation of the edges for welding using a grinder, and then, finally, extrusion welding along the edge. Vacuum testing was completed for patches along seams 1, 2, and part of 3. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		
5. NW Linings began to install geocomposite over the geomembrane at 11:30 today. The composite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. Zip-ties are being used to fasten the geocomposite panels together and sand bags are being used to prevent wind up lift.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

29

Date: 7/13/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input type="text"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 80 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading
NW Linings & Geotextile	12	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks
12:30	13:00	John Montgomery	E&E	Weekly Meeting
11:00	17:15	Chad Nancarrow	E&E	Weekly Meeting
10:35	17:30	Zander Whitman	E&E	Weekly Meeting
14:15	15:30	Pat Turina	Wilder Construction	Weekly Meeting
14:15	15:30	Erik Lenhar	PSU	Geomembrane Focused Site Tour
14:15	15:30	Kris Olinger	PSU	Geomembrane Focused Site Tour
14:15	15:30	Colleen Jenkins	PSU	Geomembrane Focused Site Tour
14:15	15:30	Trevor Smith	PSU	Geomembrane Focused Site Tour
14:15	15:30	Ryan Shojinanga	PSU	Geomembrane Focused Site Tour
12:00	17:00	Kevin Parrett	DEQ	Weekly Meeting
12:00	13:00	Nancy Mumm	NOAA	Site Visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
623B Cat Scraper	9	
CAT VHP grader	1	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	6	Used by NW Linings
VR-843 highlift	6	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

29

Date: 7/13/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	None noted	
Inspect barge offloading	Yes, Wilder informed to install boom around barge and properly maintain silt fencing.	
Inspect stockpiles & stormwater controls	na	
Other		
WORK COMPLETED		
1. Wilder continued to place the topsoil layer north of the topsoil stock pile. The Caterpillar 623 scraper was utilized to load and transport the material from the stockpile. The D6N Caterpillar bulldozer was utilized to spread the material to grade. Once the barge was done being unloaded the Komatsu loader and off road dumptrucks were used to assist with topsoil transport and placement of the stockpiled topsoil.		
2. Chad Nancarrow identified an area along the UPRR property line to the south east of the support area that was not appropriately graded. A cut into the existing subgrade is required to allow for the transition of the cap into the UPRR property and for the construction of a stormwater retention berm. To remedy this Wilder pulled back the demarcation fabric that was installed and began cutting the subgrade to the correct slope.		
3. Wilder's subcontractor RIS&G finished off loading topsoil for the week. The next barge load is not expected until Monday morning. Wilder was instructed by E&E to have their subcontractor deploy an oil absorbent boom around the barge off loading operation and to prevent more than 2-feet of soil from building up around the silt fencing under the hopper by. Kevin Parrett gave further instruction to Wilder during the weekly to have RIS&G modify their 'slobber board' so that the incidental spillage from the clamshell bucket does not enter the river. The 'slobber board' is a wood and plastic ramp configured to cover the water surface between the barge and the shore.		
4. Wilder continued to lay demarcation fabric north of the topsoil stockpile.		
5. NW Linings continued to install geomembrane within the barrier wall today. To date, approximately 11 acres of liner has been installed (the membrane deployed and the seams welded). The highlift with a spreader bar and roller was utilized to deploy the membrane. Air pressure testing was completed up to seam 17. Repair of the test areas, failed seams, and damaged areas continued today on seams 3 through 10. A repair consists of patching and performing vacuum testing. Vacuum testing was completed for patches along seams 4,5,6, and part of 7, which corresponds to repair patch number 85. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		

 ecology and environment, inc.	DAILY FIELD REPORT NO.: <u>29</u>	
	Date: <u>7/13/2005</u>	Day: <u>Wednesday</u>
Project Title: McCormick and Baxter Upland Cap Client: ODEQ		
E & E Project No.: 001688.OY14.25.03		
WORK COMPLETED (Continued)		
6. NW Linings continued to install geocomposite over the geomembrane today. The composite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The composite panels are overlapped by 4 inches and then zip-tied together every 5 feet. Sand bags are being used to prevent wind up lift. Approximately 1.5 acres of geocomposite has been installed.		
NOTES/ISSUES:		
none		
Prepared By: Field Staff Title:		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 30

Date: 7/14/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 55 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading
NW Linings & Geotextile	12	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
623B Cat Scraper	4	A flat tire caused shut-down.
CAT VHP grader	0	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	4	Used by NW Linings
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 30

Date: 7/14/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
NW-Linings identified two seams that have failing destructive tests (shear and peel). See the Work Completed section #4.		Chad, Wilder, and DEQ
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	None noted	
Inspect barge offloading	Yes, RIS&G deployed boom around the crane barge and is maintaining the silt fencing.	
Inspect stockpiles & stormwater controls	na	
Other		
WORK COMPLETED		
1. Wilder continued to place the topsoil layer north of the topsoil stock pile. The Caterpillar 623 scraper was utilized to load and transport the material from the stockpile. The D6N Caterpillar bulldozer was utilized to spread the material to grade.		
2. Wilder installed 940 feet of 6" perforated collection piping and four cleanouts along the northern edge of cap area.		
3. Wilder continued to deploy demarcation fabric north of the topsoil stockpile.		
4. NW Linings completed destructive tests 15-25. Sample number 15 did not pass destructive testing. Test samples were collected from the seam until two passing samples were identified. Each time the samples were tested the primary weld passed peel and shear, however the secondary, inside, seam failed testing. Since the primary weld is passing destructive testing E&E has decided to allow NW Linings to repair the seam by extrusion welding. NW Linings will repair test sample locations along the seam, and also extrusion weld the entire length of failing seam, approximately 450-feet. The extrusion weld will act as reinforcement for the primary seal. Vacuum testing will not be required on the seam, however the extrusion weld will be field tested for peel strength. Destructive test number 17 has also failed testing, however additional samples have not yet been collected to identify a passing area.		
5. NW Linings continued to install geomembrane within the barrier wall today, only two panels were deployed due to windy conditions. To date, approximately 11 acres of liner has been installed (the membrane deployed and the seams welded). The highlift with a spreader bar and roller was utilized to deploy the membrane. Air pressure testing was completed up to seam 24. Repair of the test areas, failed seams, and damaged areas continued today. A repair consists of patching and performing vacuum testing. Vacuum testing was completed for patches along seams 7, and 8; which corresponds to repair patch number 114. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		



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DAILY FIELD REPORT NO.: 30

Date: 7/14/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

WORK COMPLETED (Continued)

6. NW Linings installed geocomposite over the geomembrane today. The composite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The composite panels are overlapped by 4 inches and then zip-tied together every 5 feet. Once the panels have been zip-tied the overlapping geotextile layers were heat tacked together every 5 feet. The butt seams were fastened together every 6 inches with zip-ties and then a geotextile layer was heat tacked over the adjoining ends. Sand bags are being used to prevent wind up lift. Approximately 2 acres of geocomposite has been installed.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.: 31

Date: 7/15/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 55 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 90 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
David Evans and Associates	1	Geomembrane layer/Sand Layer As-built
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	16	Installation of Geomembrane. Second crew

VISITORS

Time In	Time Out	Name	Representing	Remarks
			The City of Portland	To observe the sewer line work.
			The City of Portland	To observe the sewer line work.

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Two truckloads (48 rolls, 24 each).
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
623B Cat Scraper	10	
CAT VHP grader	0	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
SD 1000 Roller w/vibrator	4	Used by NW Linings
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	5	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 31

Date: 7/15/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
NW Linings identified two seams that have failing destructive tests (shear and peel). See the Work Completed section #4.		Chad, Wilder, and DEQ
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spillway.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, none noted	
Inspect barge offloading	No offloading occurred today.	
Inspect stockpiles & stormwater controls	na	
Other: At the request of DEQ, E&E is performing regular inspections of the beach area near the City's sewer line reinforcement operations. The City's subcontractors have deployed solid oil containment boom with absorbent boom in the interior. Some product and sheen were liberated by the pile driving activities. The contractor(s) deployed oil absorbent pads and made an attempt at sweeping up the contained sheen. To further protect the shoreline E&E had their boom maintenance and deployment contractor, West Coast Marine Cleaning Services, deploy approximately 400-feet of boom along the shoreline down wind of the City's operations.		
WORK COMPLETED		
1. Wilder continued to place the topsoil layer north of the topsoil stock pile. The scraper was the only equipment used for loading, transporting, and placing the topsoil.		
2. Wilder installed 220 feet of 6" perforated collection piping and four cleanouts along the northern edge of cap area.		
3. Wilder continued to deploy demarcation today northernmost edge of the property.		
4. Seam 12, which failed destructive testing yesterday, was repaired by extrusion welding the length of the seam and patching the test areas. Two samples that were taken from the seam, once the extrusion welding was done, passed field testing for peel strength. Destructive test number 17 (DS-17), which corresponds to seam 14, failed testing yesterday. It was determined today that DS-17 was failing under the same conditions as DS-15. Each time the samples were tested the primary weld passed peel and shear, however the secondary, inside, seam failed testing. Therefore, the seam will be repaired in the same manner as seam 12.		
5. Panels of geomembrane were not deployed today, and no air pressure testing occurred. To date, approximately 11 acres of liner has been installed (the membrane deployed and the seams welded). Repair of the test areas, failed seams, and damaged areas continues. A repair consists of patching and performing vacuum testing. Vacuum testing was completed for patches along seams 9, 10, 11, and most of 12; which corresponds to repair patch number 145. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		



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DAILY FIELD REPORT NO.: 31

Date: 7/15/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

WORK COMPLETED (Continued)

6. NW Linings continued to install geocomposite over the geomembrane today. The composite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The composite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers for the first row of panels laid today was heat tacked together every 5 feet, the remaining rows still need to be heat tacked. Sand bags are being used to prevent wind up lift. Approximately 4 acres of geocomposite has been installed.

7. Wilder began spreading the drainage sand layer today. Sand previously stockpiled on the Metro property was transported to the barrier wall with the Volvo A35D articulating dump trucks. Wilder was informed that haul road thickness of 30 inches must be maintained for the dump trucks. All other equipment must maintain the minimum thickness of 10-inches during spreading and grading. The stockpile covered approximately one acre of the liner, however, this sand is not yet to grade.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.: 32

Date: 7/16/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: _____
Part Cldy: x	Midday: 78 °F	Dusty: x
Overcast: _____	Afternoon: 84 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
Drew Martin	0	Delivery- Fuel
NW Linings & Geotextile	10	Installation of Geomembrane. Second crew

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	0	
Volvo A35D dumptruck	0	
623B Cat Scraper	0	
CAT VHP grader	0	
Komatsu WA500 front loader	0	
CAT bull dozer D6N	0	
CAT bull dozer D6R	0	
SD 1000 Roller w/vibrator	0	Used by NW Linings
VR-843 highlift	0	Used by NW Linings
Kenworth water Truck	0	
200 CC Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 32

Date: 7/16/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.
Inspect equipment (leaks?)	n/a
Inspect equipment fueling	n/a
Inspect shoreline (turbidity?)	None noted
Inspect barge offloading	No offloading occurred today.
Inspect stockpiles & stormwater controls	na
Other	

WORK COMPLETED
1. NW Linings brought in an alternative crew of 10 people to perform repairs, air pressure testing, and vacuum testing; and to install boots around man holes, monitoring wells, and gas vents. The foremen for this crew were Joel Mondragon and Alex Rios. Air pressure testing was completed for all seams installed to date (seam #32), and vacuum testing was completed up to seam 20. Boots were installed around manhole A and B, gas vent #2, MW-10d, and MW-22i. Repairs have been completed for seams through 21. No geomembrane or geocomposite was deployed today.
2. Repair of seam 14, which failed destructive test 17, was completed today. The entire length of seam was extrusion welded, and all patches were completed and vacuum tested. Two samples still need to be cut from the extrusion welded seam and tested for peel strength before the seam is accepted.

NOTES/ISSUES:
none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 33

Date: 7/18/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 65 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 80 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 97 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
David Evans and Associates	1	Geomembrane layer/Sand Layer As-built
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	16	Installation of Geomembrane. Second crew

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Four truckloads of Geocomposite (96 rolls).
Volvo A35D dumptruck	10	811.16 tons of 1.5" minus rock for access road.
Volvo A35D dumptruck	10	
623B Cat Scraper	1	
CAT VHP grader	3	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
John Deere bull dozer 450I	9	Used for constructing the access roads.
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	9	
200 CC Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 33

Date: 7/18/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
Destructive test number 18 and 20 failed laboratory testing. See Note #2.		Chad, Wilder, and DEQ
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
People walking, joggers, and kids on bikes and scooters are accessing the Metro property from Edgewater and from the North of the property. They are getting in the way of construction equipment and are endanger of being hit by equipment. E&E is increasing the warning signage.		E&E by Wilder
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Slight amount of elevated turbidity observed, which appeared to be generated by the tug and barge moving activities.	
Inspect barge offloading	Yes, topsoil was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other: At the request of DEQ, E&E is performing regular inspections of the beach area near the City's sewer line reinforcement operations. The City's subcontractors have deployed solid oil containment boom with absorbent boom in the interior. It was observed today that some sheen was escaping where one boom terminated into another. It was not completely closed at the water's surface. During maintenance on the absorbent boom deployed by our subcontractor, the booms were brought together and held in place with lines. The boom deployed by our contractor was moved offshore slightly to accommodate the lower water conditions encountered today.		
WORK COMPLETED		
1. Wilder began importation and placement of 1.5-inch minus rock within the permanent access road area from the Van Houtan access gate to the support area. The rock is being imported through the southern access to the site (Van Houten). E&E performed two inspections of the truck traffic through the University and observed the truckers to be following the agreement between Wilder and DEQ regarding the route and speed.		
2. Wilder completed the grading of the knoll in the FWDA (remnant of the railroad spur), continued to deploy demarcation fabric along the northernmost edge of the property, and continued the placement of topsoil delivered by barge.		
3. Two samples were taken from the reconstructed seam 14, which failed destructive test number 17. The samples were tested in the field for peel and both samples passed with values of 94 and 88 psi. Seam 14 has now passed all testing.		



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DAILY FIELD REPORT NO.: 33

Date: 7/18/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

WORK COMPLETED (Continued)

4. NW Linings installed 8 panels today. To date, approximately 12 acres of liner has been installed (the membrane deployed and the seams welded). Repair of the test areas, failed seams, and damaged areas continues. A repair consists of patching and performing vacuum testing. Vacuum testing was completed for patches up to seam 21. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.

5. NW Linings continued to install geocomposite over the geomembrane today. The composite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The composite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers are heat tacked together every 5 feet. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. Sand bags are being used to prevent wind up lift. Approximately 4 acres of geocomposite has been installed.

NOTES/ISSUES:

1. E&E measured the freeboard of the barge B7 laden with topsoil.

2. Destructive test numbers 18 and 20 failed laboratory testing, even though they passed field destructive testing. An additional sample was taken from the location for #18, and it again passed field destructive testing. The remaining sample will be sent to the TRI laboratory and tested again to determine if there are still discrepancies. Additional samples; DS #20-1 and DS #20-3, were taken 10 feet on either side of the original DS #20; both of these samples failed field destructive testing. Another sample was taken 10 feet north of DS #20-1, it is labeled DS #20-2 and it passed field testing. DS #20-4 was taken approximately 60' south of DS #20-3, it failed field testing. DS #20-5 was taken 120' south of DS #20-4, it passed field testing. DS #20-5 and DS #20-2 will be sent to TRI laboratory for verification. The length of seam(s) found that do not pass destructive testing will be repaired by one of the specified methods. E&E is determining if further correction actions will be necessary.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 34

Date: 7/19/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 65 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 92 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
David Evans and Associates	2	Subgrade as-built survey
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	10	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Two truckloads of Geocomposite (48 rolls).
Volvo A35D dumptruck	10	824.80 tons of 1.5" minus rock for access road.
Volvo A35D dumptruck	10	125.92 tons of 12" minus rock for the spillway and outfall.
CAT VHP grader	5	Topsoil by Barge.
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
John Deere bull dozer 450I	10	Used for constructing the access roads.
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	8	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 34

Date: 7/19/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
E&E made and installed signs along Edgewater to warn the public of construction activities.		
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels were observed.	
Inspect barge offloading	Yes, topsoil was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other: At the request of DEQ, E&E is performing regular inspections of the beach area near the City's sewer line reinforcement operations. The City's subcontractors have deployed solid oil containment boom with absorbent boom in the interior. No sheen was observed inside or outside the boom in the area.		
WORK COMPLETED		
1. Wilder continued the importation and placement of 1.5-inch minus rock within the permanent access road area from the Van Houtan access gate to the support area and on two of the access roads into the Cap. The rock is being imported through the southern access to the site (Van Houten). E&E performed two inspections of the truck traffic (am and pm) through the University and observed the truckers to be following the agreement between Wilder and DEQ regarding the route and speed.		
2. Wilder deployed demarcation fabric along the northernmost edge of the property and continued the placement of topsoil, delivered by barge and from the on-site stockpile.		
3. Wilder deployed approximately 60-feet of 6-inch drainage pipe.		
4. Wilder continued work on the impermeable cap drainage spillway. They placed 12 inch minus rock around outfall structure and down slope towards the shore of the river, they placed topsoil to maintain 2' cap, and they reinstalled the turf reinforcement mat (TRM) damaged during the construction of the outfall. Additionally, Wilder placed 12-inch minus rock within the spillway, however, they will not complete the grading until the soil for the Cap is complete on the sides of the spillway.		
5. NW Linings has reconstructed the seam between DS20-2 and DS20-5 (seam 16), lab results for those two destructive test have passed. Two additional field destructive test were performed on the reconstructed seam. They were tested for peel, and passed with values of 71 and 57 psi. Seam 16 has now passed all testing, and is ready for the installation of geocomposite. Destructive test DS18-1 (seam 15) has passed laboratory testing, seam 15 is now ready for the installation of the geocomposite.		



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DAILY FIELD REPORT NO.:

34

Date: 7/19/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

WORK COMPLETED (Continued)

6. NW Linings did not install any geomembrane today. To date, approximately 12 acres of liner has been installed (the membrane deployed and the seams welded). Repair of the test areas, failed seams, and damaged areas continues. A repair consists of patching and performing vacuum testing. Vacuum testing was completed for patches up to seam 30.

Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system. NW Lining also installed boots for MW-23d and EW-1s, and performed air pressure testing on seams 33 and 34.

7. NW Linings continued the installation of the geocomposite. The geocomposite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The geocomposite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers are heat tacked together every 5 feet. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. All panels of geocomposite have been fastened and heat tacked. Sand bags are being used to prevent wind up lift. Approximately 4.6 acres is installed.

NOTES/ISSUES:

1. E&E completed the QA measurement of the freeboard for the barge B7 used to deliver topsoil. Although the naval architect stamped draft charts have not been submitted by Wilder, it was possible to estimate the tonnage delivered because barge B7 was used last year for material delivery during the Sediment Cap construction. Wilder was given an estimate of approximately 1,570 tons delivered by RIS&G, and the estimated amount by E&E using the draft chart available is approximately 1,553 tons. The differential is approximately 17 tons or approximately 1%. E&E will confirm this when the certified scale weight tickets are received.

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.:

35

Date: 7/20/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 65 °F </u>	Clean: <u> </u>
Part Cldy: <u> </u>	Midday: <u> 75 °F </u>	Dusty: <u> x </u>
Overcast: <u> </u>	Afternoon: <u> 92 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Drew Martin	1	Delivery- Fuel
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	10	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks
12:20	15:30	Steve Campbell	DEQ	Weekly Meeting
12:20	15:30	Pat Turina	Wilder	Weekly Meeting
11:00	15:40	Chad Nancarrow	E&E	Weekly Meeting
12:10	15:30	John Montgomery	E&E	Weekly Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	
Volvo A35D dumptruck	10	868.8 tons of 1.5" minus rock for access road.
Volvo A35D dumptruck	10	Approximately 3,500 tons of Sand from barge.
CAT VHP grader	5	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
John Deere bull dozer 450I	10	Used for constructing the access roads.
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	8	
200 CC Excavator	9	



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DAILY FIELD REPORT NO.:

35

Date: 7/20/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
1. Destructive Test #35 (DS35) failed laboratory testing. See Note 1.		Chad N. and Wilder
2. Asphalt chunks were found mixed into the spillway and outfall rock. See Note 2.		Wilder, DEQ, and Chad N.
3. TRI identified at least two rolls of geotextile that failed laboratory testing. See Note 3.		Wilder, DEQ, and Chad N.
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels were observed.	
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other: No sheen was observed in the area of the sewerline repair.		
WORK COMPLETED		
1. Wilder continued the importation and placement of 1.5-inch minus rock within the permanent access road area from the Van Houtan access gate to the support area and on two of the access roads into the Cap. The rock is being imported through the southern access to the site (Van Houten). E&E performed two inspections of the truck traffic (am and pm) through the University and observed the truckers to be following the agreement between Wilder and DEQ regarding the route and speed.		
2. Wilder completed the installation of demarcation fabric today.		
3. NW Linings sealed the boots for MW-15s, MW-56, gas vent 1, gas vent 2, MHB, and MHA. A seal consists of placing a neoprene band around the boot, and fastening with two steel clamps. Butyl sealant is then used to seal between the boot and casing, or manhole.		
4. NW Linings did not install any geomembrane today. To date, approximately 12 acres of liner has been installed (the membrane deployed and the seams welded). Air pressure testing was completed for all seams installed to date (seam #37). Repair of the test areas, failed seams, and damaged areas continues. A repair consists of patching and performing vacuum testing. No vacuum testing was performed on repairs today. Patches have been completed for all seams up to #35. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		
7. NW Linings continued the installation of the geocomposite. The geocomposite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The geocomposite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers are heat tacked together every 5 feet. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. All but 2 seam lengths are heat tacked, and all but one seam length has been fastened with zip ties. The butt seams for all panels deployed today need be fastened and heat tacked. Sand bags are being used to prevent wind up lift. Approximately 6 acres is installed.		



ecology and environment, inc.

DAILY FIELD REPORT NO.:

35

Date: 7/20/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NOTES/ISSUES:

1. Destructive test #35 (DS35) failed laboratory testing, this destructive test falls on seam 29. NW Linings has collected two additional samples taken 10 feet on either side of the original test location. The samples are labeled DS35-1 and DS35-2.
2. Both of the samples passed field destructive testing and will be sent to TRI laboratory for conformation. The seam will be reconstructed once passing results are obtained from the laboratory.
2. Wilder found that their excavator operator had accidentally pick them up from below the rock stockpile. Wilder corrected this nonconformance by manually picking through the rock and removing the asphalt chunks.
3. TRI is determining whether or not more rolls in the same lot are out of compliance with the specifications. E&E has marked the two rolls that did not comply with the specifications with green marking paint and has informed Wilder that these rolls can not be installed. The rolls that are being examined in the same lot are marked similarly, and Wilder was informed that these rolls may not comply. The determination is expected to be complete by Friday.

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.:

36

Date: 7/21/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u>x</u>	Morning: <u>60 °F</u>	Clean: <u></u>
Part Cldy: <u></u>	Midday: <u>75 °F</u>	Dusty: <u>x</u>
Overcast: <u></u>	Afternoon: <u>95 °F</u>	Muddy: <u></u>
Rain: <u></u>		Other: <u></u>
Fog: <u></u>		
Snow: <u></u>		
Other: <u></u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
David Evans and Associates	2	As-built survey
Drew Martin	1	Delivery- Fuel
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	9	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	48 Rolls of geocomposite
Volvo A35D dumptruck	10	815.29 tons of 1.5" minus rock for access road
Volvo A35D dumptruck	10	64.15 tons of 12" minus rock for the spillway
CAT VHP grader	5	Approximately 4,000 tons of Sand from barge.
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
John Deere bull dozer 450I	10	Used for constructing the access roads.
VR-843 highlift	4	Used by NW Linings
Kenworth water Truck	8	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

36

Date: 7/21/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 001688.OY14.25.03

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
Evidence of smoking in the liner area was observed by DEQ. No smoking is allowed outside Support area.		Wilder and E&E field staff
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels were observed.	
Inspect barge offloading	Yes. Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other: The City did not perform work today.		
WORK COMPLETED		
1. Wilder continued the importation and placement of 1.5-inch minus rock within the permanent access road area from the Van Houtan access gate to the support area and on two of the access roads into the Cap. The rock is being imported through the southern access to the site (Van Houten). E&E performed two inspections of the truck traffic (am and pm) through the University and observed the truckers to be following the agreement between Wilder and DEQ regarding the route and speed.		
2. Destructive samples DS35-1, and DS35-2 (seam 29) have passed laboratory testing. The seam length between these two samples has been reconstructed using extrusion welding, and passed vacuum testing. Seam 29 is now ready for composite to be deployed. Destructive testing was performed in the field today for samples DS38 through DS42. All samples passed field testing.		
3. NW Linings did not install any geomembrane today. To date, approximately 12 acres of liner has been installed (the membrane deployed and the seams welded). Repair of the test areas, failed seams, and damaged areas continues. A repair consists of patching and performing vacuum testing. Patches have been completed for all seams installed to date (seam 37). Vacuum testing was completed for all seams. NW Linings also installed the boot around EW-18s. <u>Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.</u>		
4. NW Linings continued the installation of the geocomposite. The geocomposite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The geocomposite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers are heat tacked together every 5 feet. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. All panels have been fastened with zip ties. The butt seams for panels deployed yesterday have been fastened and heat tacked. Sand bags are being used to prevent wind up lift. Approximately 7.5 acres is installed.		



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DAILY FIELD REPORT NO.: 36

Date: 7/21/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NOTES/ISSUES:

1. It was discovered that roll # C2-8-2-05-0597-200 of geocomposite delivered today is not listed in the roll pre-certifications for the project, and roll # C2-8-2-05-0741-200 has not been delivered to the site. If the pre-certifications are obtained for roll 0597, it can be used as a substitute for 0741. Jacob Zacharda was notified to obtain the precertification. Until certification arrives the roll has been marked 'do not use'.

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.: 37

Date: 7/22/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: _____
Part Cldy: x (pm) _____	Midday: 75 °F	Dusty: x _____
Overcast: _____	Afternoon: 95 °F	Muddy: _____
Rain: x (am) _____		Other: _____
Fog: _____		
Snow: _____		
Other: Thunderstorm		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Drew Martin	1	Delivery - fuel
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading
NW Linings & Geotextile	9	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	447 tons of 1.5" minus rock for access road
Volvo A35D dumptruck	10	94 tons of 12" minus rock for the spillway
Volvo A35D dumptruck	10	Approximately 1,000 tons of sand from barge
CAT VHP grader	5	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
John Deere bull dozer 450I	10	Used for constructing the access roads.
VR-843 highlift	0	Used by NW Linings
Kenworth water Truck	8	
200 CC Excavator	6	



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DAILY FIELD REPORT NO.: 37

Date: 7/22/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels were observed.	
Inspect barge offloading	Yes. Sand was transferred until 11:00, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other: The City did not perform work today.		
WORK COMPLETED		
1. Wilder continued the importation and placement of 1.5-inch minus rock within the permanent access road area from the Van Houtan access gate to the support area and on two of the access roads into the Cap. The rock is being imported through the southern access to the site (Van Houten). E&E performed two inspections of the truck traffic (am and pm) through the University and observed the truckers to be following the agreement between Wilder and DEQ regarding the route and speed.		
2. Wilder continued the importation and placement of 12"-minus rock for the spillway. Wilder believes that rock importation is complete, but will not know for certain until they are ready to attempt final grading. They will not be grading the spillway until the surrounding soil is in place and to final grade.		
3. Sand transferring activities from the barges by RIS&G stopped at 11:00am, after which Wilder transferred their equipment and resources to topsoil placement along the northern edge of the site. Soil was loaded onto the A35D Volvo dumptrucks from the on-site stockpile using the 200 CC Excavator. The two bulldozers were used to spread the topsoil to grade.		
NOTES/ISSUES:		
1. NW Lining's crew arrived at 5:00am, but did not work due to lightning and light rain. They left soon after stating that they would return at 7:00am to assess the weather conditions. At 7:00am no more lightning was observed, but the light rain continued. Liner operations were suspended for the day. The weather forecast indicated that Saturday will be favorable for liner installation. NW Linings requested and were granted permission to work on Saturday.		
Prepared By: Field Staff Title:		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 38

Date: 7/23/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 60 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 70 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 80 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
NW Linings & Geotextile	9	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	0	
Volvo A35D dumptruck	0	
Volvo A35D dumptruck	0	
CAT VHP grader	0	
Komatsu WA500 front loader	0	
CAT bull dozer D6N	0	
CAT bull dozer D6R	0	
John Deere bull dozer 450I	0	
SD 1000 Roller w/vibrator	8	Used by NW Linings
VR-843 highlift	8	Used by NW Linings
Kenworth water Truck	0	
200 CC Excavator	0	



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DAILY FIELD REPORT NO.: 38

Date: 7/23/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	N/A	
Inspect shoreline (turbidity?)	N/A	
Inspect barge offloading	No unloading occurred today	
Inspect stockpiles & stormwater controls	N/A	
Other: The City did not perform work today.		
WORK COMPLETED		
1. NW Linings began installing geomembrane again today. To date, approximately 13.5 acres of liner has been installed (the membrane deployed and the seams welded). All repairs have been completed for previous days of production, and no repair work was performed on new panels. No air pressure testing was performed on seams completed today. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.		
2. No geocomposite was installed today. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. All panels have been fastened with zip ties. The butt seams for panels deployed Friday have been fastened, but still need to be heat tacked. Sand bags are being used to prevent wind up lift. Approximately 7.5 acres are installed which corresponds to geomembrane seam # 28.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



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DAILY FIELD REPORT NO.:

39

Date: 7/25/2005

Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input type="text"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 85 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
NW Geotech	1	compaction testing
Portland Precision Instruments	1	Automated blade controller installation
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Linings & Geotextile	9	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
CAT VHP grader	5	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
John Deere bull dozer 450I	10	
SD 1000 roller w/vibrator	0	
VR-843 highlift	8	Used by NW Linings
Kenworth water Truck	8	
200 CC Excavator	9	



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DAILY FIELD REPORT NO.:

39

Date: 7/25/2005

Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No elevated levels were observed.
Inspect barge offloading	Yes, sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.
Inspect stockpiles & stormwater controls	na
Other: The City did not perform work today.	

WORK COMPLETED

1. Drainage sand importation and placement continued today. Approximately three acres of the liner are covered, but not graded. Wilder had Portland Precision Instruments install an electronically controlled blade adjustment device on the second bulldozer. The other bulldozer was modified with a blade control during mobilization.
2. Destructive tests 43 through 51 have been collected, #45, #50, and #44 have been tested. All three samples tested in the field today passed destructive testing; #45, and #50 will be sent to TRI for verification.
3. NW Linings did not install any geomembrane today. To date, approximately 13.5 acres of liner has been installed (the membrane deployed and the seams welded). Air pressure testing was completed for all seams installed to date (seam 46), except for seam 38. Repair of the test areas, and damaged areas continues. A repair consists of patching and performing vacuum testing. Patches have been completed for all seams installed to date. Vacuum testing still needs to be completed for seams 39 through 46. Seam 38 was welded at the end of the day because of moisture from last Friday, this seam has not been air pressure tested yet. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.
4. NW Linings continued the installation of the geocomposite. The geocomposite was deployed using the highlift and spreader bar and the ATV, gator, vehicle. The geocomposite panels are overlapped by 4 inches and then zip-tied together every 5 feet. The overlapping geotextile layers are heat tacked together every 5 feet. The butt seams of the geocomposite are being fastened by zip tie every 6 inches, and then a strip of geotextile is heat tacked over the zip ties. All panels have been fastened with zip ties and all butt seams have been fastened. Sand bags are being used to prevent wind up lift. Approximately 9 acres are installed, which corresponds to panel #62 of the geomembrane.
5. Wilder installed 380-feet of 6-inch perforated drainage pipe in the northwest area of the impermeable cap.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

40

Date: 7/26/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input type="text"/>
Part Clody: <input type="text"/>	Midday: <input type="text"/> 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 92 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Portland Precision Instruments	1	Automated blade controller installation
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Linings & Geotextile	8	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	One pallet of demarcation fabric.
Volvo A35D dumptruck	10	
CAT VHP grader	5	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	9	
CAT bull dozer D6R	3	Partial use today due to automated blade control installation
John Deere bull dozer 450I	10	
SD 1000 roller w/vibrator	6	Used by NW Linings
VR-843 highlift	6	Used by NW Linings
Kenworth water Truck	9	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

40

Date: 7/26/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

Biobags in place at retention pond spill way.

Inspect equipment (leaks?)

Yes, none noted.

Inspect equipment fueling

Yes

Inspect shoreline (turbidity?)

Elevated levels observed due to City's activities.

Inspect barge offloading

Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted

Inspect stockpiles & stormwater controls:

na

Other: The City began placing fill material around the sewer line repair area. No sheen was observed during two shoreline inspections. The City's contractor was informed that their absorbent pads were getting out of the boomed work area and washing up on the shore. E&E performed boom maintenance on the absorbent boom deployed by WCMCS in the event that sheen or product is liberated. The Extreme high and low tides moved the anchors offshore.

WORK COMPLETED

1. Drainage sand importation and placement continued today until all of the sand barges were emptied at about 2:30. Approximately three and half acres of the liner are covered. Grading of the sand was started in the northeast corner of the Cap working towards the river using the D6R bulldozer with automated blade control. E&E was informed that only one of the bulldozers has automated blade control and the other has a position sensor but no blade control.
2. Wilder transferred their resources from sand placement to topsoil movement from the on-site stockpile. Topsoil was moved to the transition from the Upland Cap to the regraded bank on the south end of the property using the excavator and A35Ds.
3. NW Linings completed field destructive testing for sample numbers 43, 46, 47, 48, 49, 51, and 52. All samples passed field testing. Samples 45 and 50 were previous tested and sent to TRI laboratory.
4. NW Linings completed the installation of the geomembrane today (14.7 acres). The total number of panels for the liner is 96, and there are 56 seams. All seams installed today have been welded. Seam #38 was air pressure tested. Preparations for air pressure testing for seams 47-56 were started by sealing the ends of the seams, however no air pressure testing has been completed. No repairs took place today. Vacuum testing still needs to be completed for seams 39 through 56. Patches/repair areas are being documented for the as-built record by Wilder using the on-site GPS system.
5. NW Linings did not install geocomposite today. All but 3 seams lengths, previously installed, were heat tacked every 5 feet. Approximately 9 acres is installed, this corresponds to panel #62 of the geomembrane.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

41

Date: 7/27/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input type="text"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 95 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
David Evans and Associates	1	Automated blade controller installation
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Linings & Geotextile	9	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:50	14:05	John Montgomery	E&E	Weekly Meeting
11:30	15:00	Chad Nancarrow	E&E	Weekly Meeting
11:30	16:21	Kevin Parrett	DEQ	Weekly Meeting
12:00	13:00	Pat Turina	Wilder Construction	Weekly Meeting
12:45	13:30	Rockie Blatter	Generation HVAC	Repair of office trailer HVAC

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	6 bags of Hole Plug (bentonite) for void space around manhole.
Volvo A35D dumptruck	10	
CAT VHP grader	5	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	9	
CAT bull dozer D6R	3	
John Deere bull dozer 450I	10	
VR-843 highlift	6	Used by NW Linings
Kenworth water Truck	9	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

41

Date: 7/27/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

Biobags in place at retention pond spill way.

Inspect equipment (leaks?)

Yes, none noted.

Inspect equipment fueling

Yes

Inspect shoreline (turbidity?)

Elevated levels observed due to City's activities.

Inspect barge offloading

Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.

Inspect stockpiles & stormwater controls

na

Other: The City continued placing fill material around the sewer line repair area (1.5"-minus and then 6"-minus). No sheen was observed during two shoreline inspections.

WORK COMPLETED

1. Drainage sand importation, placement, and grading continued today. Approximately 4.5 acres of the liner is covered.
2. Wilder deployed approximately 500-feet of the 6" perforated drainage pipe today. The pipe was deployed in the drainage flow line between manhole A and D and in the flow line for drainage of the western-most portion of the Cap into manhole D. Cleanout number 5 was installed. The socks around manholes B, C, and D were replaced due to concerns that rips created during delivery and installation and gaps around connection points would cause sand break through.
3. Wilder continued the construction of the outfall for the permeable cap drainage pipe by installing turf reinforcement mat (TRM) upon the disturbed bank and placement of thin layer of topsoil over the TRM.
4. Testing and repair on the installed geomembrane continued today. The total number of panels for the liner is 96, and there are 56 seams. All repairs and air pressure tests were completed today. Vacuum testing was completed for seams through #46. The boot was installed around MW-48.
5. NW Linings pulled destructive test samples 53 through 58. This represents all test samples that will be pulled for the geomembrane. Samples 53, 54, and 55 were tested, and have passed field destructive testing. Sample #55 was sent to TRI laboratory for conformation.
6. NW Linings continued to install geocomposite today. The composite is installed using the highlift with spreader bar, and gator ATV. All seams lengths installed today have been fastened with zip-ties at the frequency of every 5 feet. Butt seams still need to be fastened at the frequency of every 6 inches. There are 15 seam lengths that still need to be heat tacked every 5 feet. Approximately 10.5 acres of the geocomposite is installed, this corresponds to panel #80 of the geomembrane.

NOTES/ISSUES:

none

Prepared By:

Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 42

Date: 7/28/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 60 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 95 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Ferguson Northwest	1	HDPE welding
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Linings & Geotextile	9	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
CAT VHP grader	5	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	9	
CAT bull dozer D6R	3	
VR-843 highlift	8	Used by NW Linings
Kenworth water Truck	9	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 42

Date: 7/28/2005 Day: Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Elevated levels observed due to City's activities.
Inspect barge offloading	Yes, sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.
Inspect stockpiles & stormwater controls	na
Other: The City continued placing fill material around the sewer line repair area (1.5"-minus and then 6"-minus). No sheen was observed during two shoreline inspections.	

WORK COMPLETED
1. Drainage sand importation, placement, and grading continued today. Approximately 6.0 acres of the liner is covered.
2. Wilder had Ferguson extrusion weld the 'Wedding Rings' between the inner and outer conveyance pipe. This ring is an HDPE annular section that is sized to fill the gap between the inner wall of the outer pipe and the outer wall of the inner pipe.
3. NW Linings completed vacuum testing for all seams. They installed the boots around MH-C and MH-D, and vacuum tested the boots.
4. NW Linings completed field testing for all remaining destructive tests. All test passed field testing.
5. NW Linings continued to install geocomposite today. The composite is installed using the highlift with spreader bar, and gator ATV. All seams lengths installed today have been fastened with zip-ties at the frequency of every 5 feet. Butt seams still need to be fastened at the frequency of every 6 inches, and seams lengths still need to be heat tacked. Approximately 14.3 acres of the geocomposite is installed, this corresponds to panel #93 of the geomembrane.

NOTES/ISSUES:
none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

43

Date: 7/29/2005

Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input type="text"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 75 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 95 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Linings & Geotextile	8	Installation of geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:45	12:45	Mikell Omealy	Oregon DEQ	Site Tour by Community Group
10:45	12:45	Judy Smith	US EPA	Site Tour by Community Group
10:45	12:45	Keith Johnson	Oregon DEQ	Site Tour by Community Group
10:52	12:45	Rhett Lawrence	OSPIRG	Site Tour by Community Group
11:00	12:45	Travis Williams	Willamette River Keeper	Site Tour by Community Group
11:05	12:45	Jim Robinson	PACAG	Site Tour by Community Group
11:05	12:45	Kate Toepel	Oregon DHS	Site Tour by Community Group

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" biotic rock delivered by truck
Volvo A35D dumptruck	10	
CAT VHP grader	5	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	9	
CAT bull dozer D6R	3	
VR-843 highlift	5	Used by NW Linings
Kenworth water Truck	9	
200 CC Excavator	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

43

Date: 7/29/2005

Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels observed.	
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other:		
WORK COMPLETED		
1. Drainage sand importation, placement, and grading continued today. Approximately 6.75 acres of the liner is covered.		
2. 4" Biotic rock was delivered to the site by truck via N. Edgewater. The rock was dumped directly onto the cap. The trucks access the impermeable cap surface on a built-up haul road. The haul road has greater than 30" of material above the liner. The rock is moved into position using the low ground pressure (LGP) bulldozers. Approximately 3 acres were covered.		
3. Wilder installed approximately 1000-feet of perforated drainage piping. The center pipe is completely installed to manhole C, but is not yet connected.		
4. Wilder moved and placed topsoil from the on-site stockpile. The topsoil was place adjacent to the east most edge of the impermeable cap.		
5. NW Linings installed boots and clamps around gas vents #3 and #4. Clamps were installed on MW-10r, MW-22, MW-50, MW-48, MW-23d, EW-1s, EW-18s, and MH-D. Manhole C still needs to have the clamp installed around the boot, which is the only remaining item that needs to be completed by NW Linings. E&E, Wilder, and NW Linings agreed to have this work performed on Saturday morning.		
6. NW Linings completed installation of the 14.7 acres of geocomposite today. The composite was installed using the highlift with spreader bar, and gator ATV. All seams lengths have been fastened with zip-ties and heat tacked every 5 feet. All butt seams have been zip-tied every 6 inches and heat tacked.		
7. DEQ and E&E conducted a site tour for a Citizens Action Group today. The group was given a short introductory regarding the amount of work performed to date, and they were shown the largest aerial photo of the site, which was taken when M&B was in full production. The tour was escorted to Willamette Cove, along the shoreline parallel to BNR, under the railroad bridge, along the regraded shoreline of M&B, and up to and across the lined cap.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 44

Date: 7/30/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

Weather

Clear: x
Part Cldy:
Overcast:
Rain:
Fog:
Snow:
Other:

Temperature

Morning: 65 °F
Midday: °F
Afternoon: °F

Site Conditions

Clean:
Dusty: x
Muddy:
Other:

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
NW Linings & Geotextile	2	Installation of Geomembrane

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat Loader	0	
Volvo A35D dumptruck	0	
Volvo A35D dumptruck	0	
CAT VHP grader	0	
Komatsu WA500 front loader	0	
CAT bull dozer D6N	0	
CAT bull dozer D6R	0	
VR-843 highlift	0	Used by NW Linings
Kenworth water Truck	0	
200 CC Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 44

Date: 7/30/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 001688.OY14.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	n/a	
Inspect equipment fueling	n/a	
Inspect shoreline (turbidity?)	n/a	
Inspect barge offloading	n/a	
Inspect stockpiles & stormwater controls	n/a	
WORK COMPLETED		
1. NW Linings installed clamps around MW-52s and MH-C. The clamps consist of a neoprene band fastened by two steel clamps, and butyl sealant to seal the edge. This concludes NW Linings work.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 45

Date: 8/1/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: 60 °F	Clean: x
Part Cldy: _____	Midday: 70 °F	Dusty: _____
Overcast: x	Afternoon: 80 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
NW Geotech	1	compaction testing
DEA	3	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" Biotic rock delivered by truck
Volvo A35D dumptruck	10	
CAT VHP grader	2	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	9	
CAT bull dozer D6R	6	
VR-843 highlift	0	
Kenworth water Truck	6	
200 CC Excavator	3	



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DAILY FIELD REPORT NO.: 45

Date: 8/1/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels observed.	
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other:		
WORK COMPLETED		
1. Drainage sand importation, placement, and grading continued today. Approximately 7.3 acres of the liner is covered.		
2. 4" Biotic rock was delivered to the site by truck via N. Edgewater. The rock was dumped directly onto the cap. The trucks access the impermeable cap surface on a built-up haul road. The haul road has greater than 30" of material above the liner. The rock is moved into position using the low ground pressure (LGP) bulldozers. Approximately 3 acres are covered.		
3. Wilder installed approximately 900-feet of 8" perforated drainage piping along the southern end of the cap area.		
4. Wilder moved and placed topsoil from the on-site stockpile. The topsoil was place adjacent to the eastern-most edge of the impermeable cap.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 46

Date: 8/2/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 58 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 64 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 75 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" Biotic rock delivered by truck
Volvo A35D dumptruck	10	
CAT VHP grader	0	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
VR-843 highlift	0	Highlift was removed from the site today
Kenworth water Truck	5	
200 CC Excavator	4	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 46

Date: 8/2/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	Biobags in place at retention pond spill way.
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No elevated levels observed.
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.
Inspect stockpiles & stormwater controls	na
Other:	

WORK COMPLETED
1. Drainage sand importation, placement, and grading continued today. Approximately 7.3 acres of the liner is covered.
2. 4" Biotic rock was delivered to the site by truck via N. Edgewater. The rock was dumped directly onto the cap. The trucks access the impermeable cap surface on a built-up haul road. Haul roads are to have greater than 30" of material above the liner. The rock is moved into position using the low ground pressure (LGP) bulldozers. Approximately 4.5 acres of drainage sand is covered.
3. Wilder moved and placed top soil from the on-site stockpile. The top soil was placed on the east most edge of the impermeable cap.

NOTES/ISSUES:
1. UPRR parked a train across N. Van Houten Drive, which blocked a vehicle on the Riedel property. A gentlemen came to the support trailers and asked if we could open the gate at the south end of the property so they could get out. E&E staff unlocked the gate and allowed them to exit via N. Edgewater Road.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 47

Date: 8/3/2005 Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 61 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 88 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 95 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	2	Surveying
NW Geotech	1	Compaction testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:30	3:00	John Montgomery	Ecology and Environment	Weekly Progress Meeting
12:00	4:00	Chad Nancarrow	Ecology and Environment	Weekly Progress Meeting
11:00	5:15	Kevin Parrett	ODEQ	Weekly Progress Meeting
11:30	4:15	Mark Riem	Wilder Construction	Weekly Progress Meeting
11:45	3:15	Steve Campbell	ODEQ	Weekly Progress Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	4	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" Biotic rock delivered by truck
Volvo A35D dumptruck	10	
CAT VHP grader	0	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
Kenworth water Truck	5	
200 CC Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 47

Date: 8/3/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	Biobags in place at retention pond spill way.	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	No elevated levels observed.	
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.	
Inspect stockpiles & stormwater controls	na	
Other:		
WORK COMPLETED		
1. Drainage sand importation, placement, and grading continued today. Approximately 8.4 acres of the liner is covered.		
2. 4" Biotic rock was delivered to the site by truck via N. Edgewater. The rock was dumped directly onto the cap. The trucks access the impermeable cap surface on a built-up haul road. Haul roads are to have greater than 30" of material above the liner. The rock is moved into position using the low ground pressure (LGP) bulldozers. Approximately 5.2 acres of drainage sand is covered.		
3. Wilder moved and placed top soil from the on-site stockpile. The top soil was placed on the east most edge of the impermeable cap, and along the east most edge of the property near support trailers.		
NOTES/ISSUES:		
1. Free product was noticed at seep along river bank of site. Per directive of DEQ project manager Kevin Parrett, Wilder placed one A35 truck load of sand over the seep. The northing and eastings are 704649.48, and 7627949.62 respectively.		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 48

Date: 8/4/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 64 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 89 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 97 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	2	Surveying
NW Geotech	1	Compaction testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:00	11:15	John Carroll	Carroll Investments	Developer for U of P

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	5	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" Biotic rock delivered by truck
Volvo A35D dumptruck	10	136 rolls of Erosion Control Netting
CAT VHP grader	1	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
Kenworth water Truck	5	
200 CC Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 48

Date: 8/4/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No elevated levels observed.
Inspect barge offloading	Yes, Sand was transferred all day, and E&E performed visual inspections of the area. No problems were noted.
Inspect stockpiles & stormwater controls	na
Other: Shoreline was inspected at location of yesterday's seep. No releases or sheen were noted.	

WORK COMPLETED
1. Drainage sand importation, placement, and grading continued today. Approximately 10.0 acres of the liner is covered.
2. 4" Biotic rock was delivered to the site by truck via N. Edgewater. The rock was dumped directly onto the cap. The trucks access the impermeable cap surface on a built-up haul road. Haul roads are to have greater than 30" of material above the liner. The rock is moved into position using the low ground pressure (LGP) bulldozers. Approximately 7.2 acres of drainage sand is covered.
3. Wilder relocated the biobags from the support area to the ACB area, and assisted Munitor in relocating materials from the red conex box to the new shop building.

NOTES/ISSUES:
none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 49

Date: 8/5/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 64 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 87 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 95 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	2	Surveying
NW Geotech	1	Compaction testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:25	10:45	Kevin Parrett	DEQ	observe seep area
10:25	10:45	Heidi Blischke	DEQ	observe seep area

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	5	Drainage sand (unknown quantity).
Volvo A35D dumptruck	8	Two rolls of an organoclay composite material
Volvo A35D dumptruck	8	
CAT VHP grader	0	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	8	
CAT bull dozer D6R	8	
Kenworth water Truck	4	
200 CC Excavator	5	



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DAILY FIELD REPORT NO.: 49

Date: 8/5/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No elevated levels observed.
Inspect barge offloading	Yes, sand was transferred half the day, and E&E performed visual inspections of the area. No problems were noted.
Inspect stockpiles & stormwater controls	na
Other: Shoreline was inspected at location of seep. No releases or sheen were noted.	

WORK COMPLETED
1. Drainage sand importation, placement, and grading continued today. Approximately 11.0 acres of the liner is covered.
2. Wilder began to lay geotextile at the north end of the liner area. The geotextile is being rolled out by hand, and each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder has not yet heat tacked the overlapping panels together. Four rolls of geotextile have been installed.
3. Soil from the on-site stockpile was transported to areas immediately west of the liner and south of the Support Facility Area. The stockpile has now been completely depleted.
4. Wilder installed the vaults around clean outs CL-1, and CL-2. They also installed vaults around gas vents G-1, and G-2.
5. West Coast Marine Cleaning deployed three warning bouys off the shoal and rock pile areas in approximately 25 feet of water. They also deployed two more bouys in Willamette Cove. All five bouys have DANGER written on them. They are anchored with an approximate 2:1 scope of chain and line. The anchor is a Danforth style.
6. Wilder removed part of the extra geocomposite by truck. There are still 7 rolls of geocomposite, 3 rolls of unusable geotextile, and 1 partial roll of geomembrane material to be removed.

NOTES/ISSUES:
1. Kevin Parrett and Heidi Blischke of DEQ were on-site to observe seep area, and to discuss placement of organoclay mats.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 50

Date: 8/8/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 68 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Middy: 80 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	2	Surveying
AADS	2	Pre-construction meeting

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:00	14:00	Kevin Parrett	DEQ	Sed. Cap Pre-construction meeting
9:40	13:10	Steve Campbell	DEQ	Sed. Cap Pre-construction meeting
9:30	15:30	Zander Whitman	E&E	Sed. Cap Pre-construction meeting
10:00	15:30	Susan Gardner	E&E	Sed. Cap Pre-construction meeting
10:00	15:30	John Montgomery	E&E	Sed. Cap Pre-construction meeting
10:00	15:00	Mike Johns	AADS	Sed. Cap Pre-construction meeting
10:00	15:00	John Montgomery	AADS	Sed. Cap Pre-construction meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat Loader	8	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
CAT VHP grader	8	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	8	
CAT bull dozer D6R	8	
Kenworth water Truck	8	
200 CC Excavator	2	



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DAILY FIELD REPORT NO.:

50

Date: 8/8/2005

Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

n/a

Inspect equipment (leaks?)

Yes; none noted.

Inspect equipment fueling

Yes

Inspect shoreline (turbidity?)

Yes. No elevated levels observed.

Inspect barge offloading

Yes, sand was transferred from barges throughout the day, and E&E performed visual inspections of the area. E&E noted that the upper silt fence at the barge off-loading hopper was engulfed, and sand had accumulating on lower fence. Wilder was informed.

Inspect stockpiles & stormwater controls

na

Other: The shoreline was inspected near the seep repair area, where additional sand was placed. No releases or sheen were observed.

WORK COMPLETED

1. Drainage sand importation, placement, and grading continued today. Approximately 12 acres of the liner is covered.
2. Wilder continued to lay geotextile at the north end of the liner area. The geotextile was initially deployed by hand, then Wilder built an attachment for the CAT 924G IT to allow deployment with the IT. Each panel is overlapped by 6 inches. Sand bags used to prevent wind up lift. Wilder used a propane torch to heat tacked the overlapping panels together. Seven rolls of geotextile installed today.
3. Wilder took delivery of 63 rolls of geotextile fabric. Caterpillar 924G loader was used for offloading. Two rolls were tagged "Quality Hold/Do Not Ship;" these two rolls were set aside by Wilder personnel, separate from the other
4. A pre-construction meeting for sediment capping work was held, and attended by representatives of DEQ, E&E, and AADS.
5. Wilder used the grader to regrade the Support Facility parking lot. The gravel had previously been scarified to allow it to dry out.
6. Wilder used the grader to scarify the topsoil on the south and east sides of the site outside of the impermeable cap.

NOTES/ISSUES:

1. Kevin Parrett and Steve Campbell of DEQ were on-site for sediment capping pre-construction meeting. Kevin also did a site walk of the upland cap.

Prepared By:

Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

51

Date: 8/9/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 64 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 80 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 87 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	2	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:20		Kevin Parrett	DEQ	Site Visit
9:30	15:30	Zander Whitman	E&E	Site Visit
8:50	12:25	John Montgomery	E&E	Site Visit
11:10	11:25	Clark Courtney	PGE	Remove Meters
8:50	12:25	Chuck Horneday	Cetco	Sed. Repair Area

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	8	Drainage sand (unknown quantity).
Volvo A35D dumptruck	10	4" minus rock (65 truckloads, 2005 tons)
Volvo A35D dumptruck	10	
CAT VHP grader	0	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	8	
200 CC Excavator	4	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

51

Date: 8/9/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes; no elevated levels were observed.
Inspect barge offloading	Yes, sand was transferred from barges throughout the day, and E&E performed visual inspections of the area. E&E noted that the upper silt fence at the barge off-loading hopper was still engulfed, and sand had accumulating on lower fence. Wilder was informed.
Inspect stockpiles & stormwater controls	na

Other: The shoreline was inspected in the repair area, where additional sand was placed. No releases or sheen were observed.

WORK COMPLETED

1. Drainage sand importation, placement, and grading continued today. Approximately 13 acres of the liner is covered. Wilder began transporting sand stockpiled in the retention pond area, once their barges ran out for the day.
2. Wilder continued to lay geotextile at the north end of the liner area. The geotextile was initially deployed by hand, then Wilder built an attachment for the CAT 924G IT to allow deployment with the IT. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 2.2 acres of biotic rock has been covered by geotextile.
3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. Approximately 7.8 acres of the drainage sand layer has been covered by biotic rock.
4. Organoclay mats were installed within the sediment cap repair area. Wilder used the 200CC excavator to spread existing sand pile to a thickness of 4". DEQ and E&E then deployed the organoclay mats over the desired. The mats were installed directly on top of each other by hand. Sand bags were used to hold the mats down while Wilder placed approximately 4" of protective sand on them. Three fence panels were then laid side by side over the organoclay mats. The fence will act as demarcation and protection for when the mats are removed in a year. Wilder's Topcon system was used to mark the location including the corners of the fence panels.
5. Wilder began to correct the soil cap transition along the east edge of the property that borders the UPRR ROW south of the asphalt pad and north of the backflow prevention vault. Native soil at the fenceline has been cut approximately 18 inches below the existing grade.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

52

Date: 8/10/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: <u>60 °F</u>	Clean: <u>x</u>
Part Cldy: <u>x</u>	Midday: <u>80 °F</u>	Dusty: _____
Overcast: _____	Afternoon: <u>85 °F</u>	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
DEA	3	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:20		Kevin Parrett	DEQ	Weekly project meeting.
		Steve Campbell	DEQ	Weekly project meeting.
9:30		Zander Whitman	E&E	Site Visit/Weekly proj. meeting
8:50		John Montgomery	E&E	Weekly project meeting.
11:10		Chad Nancarrow	E&E	Site Visit/Weekly proj. meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	8	Drainage sand (unknown quantity).
Volvo A35D dumptruck	9	4" minus rock
Volvo A35D dumptruck	9	12" minus rock (3 Truckloads)
CAT VHP grader	0	Manhole covers for all manholes
Komatsu WA500 front loader	9	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	4	



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DAILY FIELD REPORT NO.:

52

Date: 8/10/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

n/a

Inspect equipment (leaks?)

Yes; none was noted.

Inspect equipment fueling

Yes

Inspect shoreline (turbidity?)

Yes; no elevated levels were observed.

Inspect barge offloading

Yes, sand was transferred from barges throughout the day, and E&E performed visual inspections of the area. Wilder removed sand that had accumulated beneath the conveyor hopper and replaced the upper and lower silt fencing located between the hopper and the river edge.

Inspect stockpiles & stormwater controls

na

Other: The shoreline was inspected in the repair area, where additional sand was placed. No releases or sheen were observed.

WORK COMPLETED

1. Drainage sand importation, placement, and grading continued today. Approximately 14 acres of the liner is covered.

2. Wilder continued to lay geotextile at the north end of the liner area. Wilder utilized the CAT 924G IT to deploy the geotextile rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 3.2 acres of biotic rock has been covered by geotextile.

3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. Approximately 7.8 acres of the drainage sand layer has been covered by biotic rock.

4. Wilder completed work for the sediment cap repair area. The area is approximately 900 sq. ft. It was staked out and the location was recorded by Wilder using the on-site Topcon GPS. Wilder placed sand to a depth of 4.5 feet at the outer perimeter of the area and tapered ('blended') it to match the shoreline. A layer of 4" minus rock was spread over the sand to a minimum thickness of 4". A layer of 12" minus rock was then placed over the 4" minus to a minimum thickness of 12". One load of sand was placed as the final layer over the 12" minus rock. The material was transported to the repair location using the Volvo A35D dumptrucks, and the material was placed using the 200CC excavator. No sheen was observed during repair work.

NOTES/ISSUES:

none

Prepared By:

Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 53

Date: 8/11/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 57 °F	Clean: x
Part Cldy: x	Midday: 65 °F	Dusty: _____
Overcast: _____	Afternoon: 75 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of sand
Northwest Geotech	1	Compaction Testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	8	Drainage sand (unknown quantity).
Volvo A35D dumptruck	8	4" minus rock
Volvo A35D dumptruck	8	
CAT VHP grader	0	
Komatsu WA500 front loader	8	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	5	



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DAILY FIELD REPORT NO.: 53

Date: 8/11/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, sand was transferred from barges throughout the day, and E&E performed visual inspections of the area. Silt fencing is in good condition.
Inspect stockpiles & stormwater controls	na
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED

1. Drainage sand importation, placement, and grading was completed for the 14.7 acres of cap area today.
2. Wilder continued to lay geotextile at the north end of the liner area. Wilder utilized the CAT 924G IT to deploy the geotextile rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 4 acres of biotic rock has been covered by geotextile.
3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. Approximately 10.7 acres of the drainage sand layer has been covered with biotic rock.
4. Wilder continued to correct the cap transition along the UPRR property line. They created a berm approximately 150 feet in length along the fence line, south of the backflow prevention device.
5. Wilder began working on Additional Work Item # 7, which is to supply and place 2' rip-rap in areas of Willamette Cove. They began by constructing a sand access road. This was done to prevent damage to the existing ACB.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 54

Date: 8/12/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 70 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 80 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	14	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of topsoil
Northwest Geotech	1	Compaction testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
		Sam	DEQ	

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	10	Topsoil (unknown quantity).
Volvo A35D dumptruck	6	4" minus rock
Volvo A35D dumptruck	6	
CAT VHP grader	1	
Komatsu WA500 front loader	7	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	0	



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DAILY FIELD REPORT NO.: 54

Date: 8/12/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges from approximately 11:15 through the remainder of the work day, and E&E performed visual inspections of the area. Silt fencing was intact, however, some soil accumulation was noted on the fence. Scott of Wilder was informed.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Topsoil was imported and placed south of the support facility area trailers.
2. Wilder continued to lay geotextile material in the liner area. Wilder utilized the Kamatsu loader to move and stage geotextile rolls, and used the CAT 924G IT to deploy the rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 8.3 acres of biotic rock has been covered by geotextile.
3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. Approximately 12.9 acres of the drainage sand layer has been covered by biotic rock.
4. Wilder deployed orange demarcation material along the eastern edge of the site adjacent to UPRR property line and in the northwestern corner of the site. The demarcation material panels were fastened together with plastic zip-ties.
5. Wilder completed the grading of the top soil cover along the UPRR property line.

NOTES/ISSUES:
none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 55

Date: 8/13/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 70 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 90 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	7	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of topsoil

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	1	Top soil (unknown quantity).
Volvo A35D dumptruck	9	
Volvo A35D dumptruck	4	
CAT VHP grader	1	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	9	
CAT bull dozer D6R	9	
Kenworth water Truck	6	
200 CC Excavator	1	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 55

Date: 8/13/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, top soil was transferred from barges all day, and E&E performed visual inspections of the area. Silt fencing has been repaired and is in good condition.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Top soil was imported and placed south of the support facility area trailers, along the northwest edge of the property, and along the southwest edge of liner area. Material was graded utilizing the D6R and D6N bulldozers.
2. Wilder used the 200CC excavator to cut paths for the gravel roads that lead into the impermeable cap area. The areas that have been cut have warning cones and caution tape surrounding them to warn trucks away from the area.

NOTES/ISSUES:
none

Prepared By: Field Staff	Title:
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DAILY FIELD REPORT NO.: 56

Date: 8/15/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 63 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 76 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 88 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	14	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of top soil
Willamette Fence, Inc	2	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	9	Topsoil (unknown quantity).
Volvo A35D dumptruck	10	4" minus rock
Volvo A35D dumptruck	10	
CAT VHP grader	0	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 56

Date: 8/15/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, top soil was transferred from the barges all day. E&E performed visual inspections of the area. Silt fencing was overwhelmed by soil. Ross island removed excess soil, and Wilder was notified to repair silt fencing.	
Inspect stockpiles & stormwater controls	n/a	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Topsoil was imported and placed south of the support facility area trailers and along the northern edge of the property.		
2. Wilder continued to lay geotextile material over the impermeable cap area today. Wilder used the CAT 924G IT to deploy the rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 9.3 acres of biotic rock has been covered by geotextile.		
3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. Approximately 13.5 acres of the drainage sand layer has been covered by biotic rock.		
4. Willamette Fence began installing fence posts along the southern edge of the property. They are using a bobcat with a drill attachment to bore the holes. The fence posts have been set in place, but no concrete has been poured yet.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

57

Date: 8/16/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 65 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 74 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	14	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of top soil
Willamette Fence, Inc	2	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	9	Top soil (unknown quantity).
Volvo A35D dumptruck	10	4" minus rock
Volvo A35D dumptruck	10	1.5" minus aggregate for gravel roads
CAT VHP grader	0	2' rip rap
Komatsu WA500 front loader	10	
CAT bull dozer D6N	10	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

57

Date: 8/16/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, topsoil was transferred from the barges all day. E&E performed visual inspections of the area. Silt fencing has been repaired since yesterday and is in good condition.	
Inspect stockpiles & stormwater controls	n/a	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Topsoil was imported and placed along the northern edge of the property, and on the northern edge of the cap area. Approximately 0.6 acres of cap area has been covered.		
2. Wilder continued to lay geotextile material over the impermeable Cap area today. Wilder used the CAT 924G IT to deploy the rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 10.7 acres of biotic rock has been covered by geotextile.		
3. Wilder continued shipment of 4" minus biotic rock today. The rock is being delivered by truck and spread to the required 6 inches of thickness by bulldozer. All 14.7 acres of drainage sand has been covered by biotic rock.		
4. Willamette Fence finished installing fence post along the southern edge of the property, and began installing fence posts along the northern edge of the property. They are using a bobcat with a drill attachment to bore the holes. The fence posts have been set in place along the northern edge, but no concrete has been poured for them yet.		
5. Wilder continued preparations for the change order task of placing 2 foot rip-rap along and on top of the edge of the articulated concrete block of (ACB) of Willamette Cove. One load of 2' minus rip-rap was delivered and stockpiled near the access road down to the beach in W.C.		
6. 1.5" minus road base rock was delivered to the two gravel roads that enter the cap area along the eastern edge.		
7. Wilder completed the placement of demarcation fabric in the far northwest region of the soil cap area, near the river bank.		
NOTES/ISSUES:		
1. E&E noted that the southeast corner of the property does not have the proper depth of topsoil coverage. Wilder was notified that work still needs to be performed in the area.		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 58

Date: 8/17/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 55 °F	Clean: _____
Part Cldy: x	Midday: 65 °F	Dusty: x
Overcast: x	Afternoon: 72 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
DEA	2	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:05	16:35	Kevin Parrett	DEQ	Weekly project meeting.
9:50	14:00	Steve Campbell	DEQ	Weekly project meeting.
7:00	16:10	Zander Whitman	E&E	Site Visit/Weekly meeting
11:00	16:00	Chad Nancarrow	E&E	Site Visit/Weekly meeting
13:00	16:00	Pat Turina	Wilder	Weekly project meeting.

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	9	Topsoil (unknown quantity).
Volvo A35D dumptruck	8	1.5" minus aggregate for gravel roads
Volvo A35D dumptruck	8	2' rip rap
CAT VHP grader	8	
Komatsu WA500 front loader	10	
CAT bull dozer D6N	10	
CAT bull dozer D6R	3	
Kenworth water Truck	6	
200 CC Excavator	6	
John Deere 450j bull dozer	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 58

Date: 8/17/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, topsoil was transferred from the barges all day. E&E performed visual inspections of the area. Soil build-up on upper and lower silt fencing below hopper was noted; Pete of Wilder was informed.	
Inspect stockpiles & stormwater controls	n/a	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed. Today was the lowest low water observed yet this year. A significant amount of gas bubbling was observed during low water, but no associated sheen was observed.		
WORK COMPLETED		
1. Topsoil was imported and placed along the southern edge of the property, the eastern edge of the retention pond, and on the northern portion of the cap area. Approximately 1.4 acres of cap area has been covered.		
2. Wilder continued to lay geotextile material over the impermeable cap area today. Wilder used the CAT 924G IT to deploy the rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 11.2 acres of biotic rock has been covered by		
3. Willamette Fence Co. continued installing fence posts along the northern edge of the property. They are using a Bobcat with an auger to bore the holes. The fence posts have been set in place with concrete.		
4. Under a change order agreement with DEQ, Wilder placed approximately 90-95 tons of 2-foot rip-rap on the shoreward edge of the articulated concrete block (ACB) at the point south of the railroad bridge in Willamette Cove. This rip-rap was placed to ensure that the edges (edge treatment) of the ACB would not move during an extreme high energy event. Kevin Parrett of the DEQ directed material placement. Wilder placed the rip-rap using an excavator, a loader, and an A35D dumptruck. As preparation for edge treatment in two other locations under the same change order Wilder stockpiled rip-rap within the project site.		
5. 1.5" minus road base rock was delivered to the site and placed along the gravel roadways inside and outside the cap area. A small bull dozer was brought on site and used to grade the roadways within the cap area.		



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DAILY FIELD REPORT NO.: 58

Date: 8/17/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

6. Wilder used the grader to rip and grade the drainage swale south of the Support Facility area. After surface preparation they began installation of the jute matting. Approximately 200-feet were installed.

7. Wilder performed hydrostatic testing on manholes A, B, C, and E. The outlet in manhole E was plugged and the pipe system was filled with water to the lowest perforations in the manhole system (manhole C). Leakage was noted, but the location of the leak or leaks have not yet been identified.

NOTES/ISSUES:

1. Hydrostatic testing identified unacceptable leakage in the manhole pipe system.

Prepared By: Field Staff

Title:



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DAILY FIELD REPORT NO.: 59

Date: 8/18/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 65 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 72 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of top soil
Willamette Fence, Inc	2	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	9	Top soil (unknown quantity).
Volvo A35D dumptruck	5	1.5" minus aggregate for gravel roads
Volvo A35D dumptruck	5	2' rip rap
CAT VHP grader	8	
Komatsu WA500 front loader	6	
CAT bull dozer D6N	10	
CAT bull dozer D6R	0	
Kenworth water Truck	6	
200 CC Excavator	6	
John Deere 450j bull dozer	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 59

Date: 8/18/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, top soil was transferred from the barges all day. E&E performed visual inspections of the area. Soil build-up on upper and lower silt fencing below hopper was noted; Scott of Wilder was informed.	
Inspect stockpiles & stormwater controls	na	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Top soil was imported and placed on the northern portion of the cap area. Soil was being transported by two A35D Volvo dumptrucks, and spread utilizing the grader and dozer. Approximately 2 acres of cap area has been covered.		
2. Wilder continued to install jute netting along the drainage swale. They are using heavy gage staples to secure the netting. To date approximately 900 feet have been installed.		
3. Willamette Fence Co. continued installing fence posts along the northern edge of the property. They are using a Bobcat with an auger to bore the holes. The fence posts have been set in place with concrete.		
4. Under a change order agreement with DEQ, Wilder placed approximately 30 tons of 2-foot to 4-foot rip-rap on the shoreward edge of the articulated concrete block (ACB) at an area north of the outfall spillway, and approximately 90 tons at shoreward edge of the ACB at the point north of the railroad bridge. The rip-rap was placed to reinforce the edges (edge treatment) of the ACB to prevent movement during extreme high energy events. On 8-17-2005 Kevin Parrett of the DEQ showed Jim Petersen of E&E the areas to place the rip-rap. Wilder brought the material to the locations using a Kamatsu loader, and placed it using a John Deere 200C excavator.		
5. 1.5" minus road base rock was delivered to the site throughout the day. The rock is being used to construct the access roads and to bring previously constructed roads to grade. A majority of the road construction activity today was concentrated along the westernmost edge of the impermeable Cap. The small bull dozer (John Deer 450j) was utilized to perform initial placement.		



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DAILY FIELD REPORT NO.: 59

Date: 8/18/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

6. Wilder used the grader to rip and grade areas of topsoil outside the barrier wall, at the north end of the property.

7. Wilder performed hydrostatic testing on manholes A, B, and D. The outlet in manhole B was plugged and the pipe system from B to A was filled with water to the lowest perforations in the manhole system (manhole B). Manholes A and B passed static pressure testing with no elevation drop observed. The outlet from manhole D was plugged and the manhole was filled to the lowest perforations. Manhole D passed static pressure testing with no elevation drop observed. It was discovered that the wedding ring for the outlet from manhole C had a leak. Holes were drilled in the down end wedding ring to allow the water to drain from the enclosed containment piping. The leak in manhole C and holes in manhole E were then repaired using 3M Marine Adhesive Sealant 5200. This was used for the repair because the extrusion welder is not available for two weeks. Pressure testing for manhole C will occur tomorrow.

8. Wilder cleared the blackberry bushes on the shoulder of N. Edgewater.

NOTES/ISSUES:

1. The appropriateness of the repair for the leaks in the manholes still requires assessment.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 60

Date: 8/19/2005 Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 65 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 85 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 90 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	11	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of top soil
Willamette Fence, Inc	2	Install fence
DEA	2	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:00am	4:15pm	Kevin Parrett	DEQ	Site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	9	Topsoil (unknown quantity).
Volvo A35D dumptruck	9	1.5" minus aggregate for gravel roads
Volvo A35D dumptruck	9	Geotextile fabric - 14 rolls
CAT VHP grader	10	
Komatsu WA500 front loader	9	
CAT bull dozer D6N	Demobilized	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	2	
John Deere 450j bull dozer	10	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 60

Date: 8/19/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, top soil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The upper silt fence below the hopper was engulfed by soil. Scott of Wilder was informed.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Topsoil was imported and placed on the northern portion of the cap area. Soil was being transported by two A35D Volvo dumptrucks, and spread utilizing the grader and dozer. Approximately 3.6 acres of cap area has been covered.
2. Wilder continued installing jute netting along the drainage swale and completed the area from the road crossing near the support facility to the retention pond. They are using heavy gage staples to secure the netting.
3. Willamette Fence Co. continued installing fence posts along the northern edge of the property and from the northeast corner to the entrance gate. They are using a Bobcat with an auger to bore the holes and setting the fence posts in place with concrete.
6. 1.5" minus road base rock was delivered to the site throughout the day. The rock is being used to construct the access roads and to bring previously constructed roads to grade. A majority of the road construction activity today was concentrated along the westernmost edge of the impermeable Cap. The small bulldozer (John Deer 450j) was utilized to perform initial placement.
7. Wilder used the grader to rip and grade areas of topsoil outside the barrier wall on the east and south sides of the property.
8. Wilder performed hydrostatic testing on manhole C, which had previously failed testing and had been repaired with a marine adhesive sealant product. The inlet and outlet of manhole C were plugged and the manhole was filled with water to the lowest perforations. A drop in the water level was observed during the test, indicating a leak. When water was released from manhole C a leak at the wedding ring around the outlet from C was observed, this is the same location as the previous leak. Additional repair and testing for manhole C will occur next week.



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DAILY FIELD REPORT NO.: 60

Date: 8/19/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

9. Wilder dumped three truckloads of top soil in the southeastern corner of the site. The soil will be leveled and graded tomorrow or early next week.

10. Wilder took delivery of 14 rolls of geotextile material, and resumed installation of geotextile at the south end of the liner area. Wilder utilized the CAT 924G IT to deploy the geotextile rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 13.2 acres of biotic rock has been covered by geotextile.

NOTES/ISSUES:

1. Manhole C was repaired and tested, but again failed to hold water. Additional repair and testing is required.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 61

Date: 8/20/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 65 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 85 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	7	
Ross Island Sand & Gravel	2	

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	3	
Volvo A35D dumptruck	5	
Volvo A35D dumptruck	5	
CAT VHP grader	5	
Komatsu WA500 front loader	5	
CAT bull dozer D6R	5	
Kenworth water Truck	2	
200 CC Excavator	0	
John Deere 450j bull dozer	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 61

Date: 8/20/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes.	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, topsoil was transferred from the barge from 7:00am until 10:45am. E&E performed visual inspections of the area. The silt fencing below the hopper was repaired by Wilder at the beginning of the workday.	
Inspect stockpiles & stormwater controls	n/a	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Topsoil was imported and placed on the northern portion of the cap area. Soil was being transported by two A35D Volvo dumptrucks, and spread utilizing the D6R dozer. Approximately 4.1 acres of cap area has been covered. One additional load of top soil was placed north of the cap area.		
2. Wilder used the grader to rip and grade areas of topsoil outside the barrier wall on the east, south, and north sides of the property.		
3. Wilder used the 450j dozer and the grader to level and grade the gravel roadways.		
4. Wilder used the Cat 924G IT with a loader bucket to pick up and haul debris and waste material to the waste dumpster.		
NOTES/ISSUES:		
Wilder crew worked on site from 7:00am until 11:00am.		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 62

Date: 8/22/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 65 °F	Clean: _____
Part Cldy: _____	Midday: 75 °F	Dusty: x
Overcast: x	Afternoon: 82 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of top soil
Willamette Fence, Inc	2	Install fence
Cascade Drilling	2	Raise well monuments; install concrete well pads
Northwest Geotechnical	1	Compaction testing of top soil
Northwest Linings	1	Removed excess geomembrane and geocomp.
DEA	2	Surveying

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:15am	4:15pm	Kevin Parrett	DEQ	Site visit/Sediment cap

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	9	Top soil (unknown quantity).
Volvo A35D dumptruck	9	Geotextile fabric - 14 rolls.
Volvo A35D dumptruck	9	1.5" minus aggregate for gravel roads
CAT VHP grader	10	
Komatsu WA500 front loader	9	
CAT bull dozer D6R	10	
Kenworth water Truck	6	
200 CC Excavator	5	
John Deere 450j bull dozer	10	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 62

Date: 8/22/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, top soil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper was in good condition.	
Inspect stockpiles & stormwater controls	na	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Top soil was imported and placed on the northern portion of the cap area. Soil was being transported by two A35D Volvo dumptrucks, and spread utilizing the grader and dozer. Approximately 5.2 acres of cap area has been covered.		
2. Wilder installed jute netting along the drainage swale at the north side of the site. Heavy gage staples were used to secure the netting in place.		
3. Willamette Fence Co. installed fence posts in the roadway on the southern portion of the site along the greenway. They used a Bobcat with an auger and hand tools to bore the post holes. Posts were set in place with concrete. Wilder marked the centerline of the roadway as a guide for the fence alignment.		
4. Wilder used the 450j bull dozer to scarify the compacted topsoil, and used the grader to level and grade the drainage swale north of the barrier wall.		
5. Wilder used the John Deere excavator to modify the profile of the spillway from the retention pond. A U-shaped trench was cut into the 12-inch minus spillway from approximately the road crossing to the ordinary high water mark.		
6. Wilder dumped additional truckloads of top soil on the eastern and northern sides of the site to adjust final grade.		
7. Wilder personnel used handtools to finish the edges of the soil cap edges around the east and south perimeter, around the wells, and the backflow vault.		
8. Wilder installed geotextile material on the south end of the liner area. Wilder utilized the CAT 924G IT to deploy the geotextile rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together. Approximately 14 acres of biotic rock has been covered by geotextile.		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 62

Date: 8/22/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

9. Wilder repaired the chipped concrete sump at the tire wash facility.

10. Cascade Drilling extended well monuments and bollards at wells EW-15s and EW-8s, and extended monuments at wells MW-20i and MW-60s.

11. Northwest Linings picked up the excess geomembrane and geocomposite material that was stored in the northeast corner of the site. A Wilder employee used the 924G IT to load the material onto the truck.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 63

Date: 8/23/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 62 °F	Clean: x
Part Cldy: _____	Midday: 73 °F	Dusty: _____
Overcast: x	Afternoon: 80 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
Cascade Drilling	1	Raise well monuments; install concrete well pads
Northwest Geotechnical	1	Compaction testing of topsoil

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:15am	4:30pm	Kevin Parrett	DEQ	Site visit/Sediment cap
10:54am	11:54am	John Unger	Dept of Water Resources	Site visit-bollard variance

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	9	Topsoil (unknown quantity).
Volvo A35D dumptruck	7	Geotextile material - 7 rolls.
Volvo A35D dumptruck	7	
CAT VHP grader	8	
Komatsu WA500 front loader	7	
CAT bull dozer D6R	0	Dozer is not operating properly
Kenworth water Truck	5	
200 CC Excavator	3	
John Deere 450j bull dozer	10	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 63

Date: 8/23/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
A deliver truck trailer tipped over when one of the dumping mechanism's hydraulic cylinder pins failed. No one was injured, and the field crews were reminded to stay clear of all dumping vehicles.	DEQ and Chad N.

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper became engulfed. Pete of Wilder was informed.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Topsoil was imported and placed on the northern portion of the cap area. Soil was also placed in the transition area between the gravel roadway and the top of the bank. Soil was imported by barge and loaded into two A35D Volvo dumptrucks with the Komatsu loader. Soil was spread with the 450j bull dozer and the caterpillar grader. Approximately 6 acres of the cap area has been covered with topsoil.
2. Wilder continued to install jute netting along the drainage swale at the north side of the site. Heavy gage staples were used to secure the netting in place.
3. Willamette Fence Co. installed fence posts in the roadway on the south western portion of the site. They used a small tracked excavator and hand tools to dig the post holes. Posts were set in place with concrete. Twenty-nine fence posts (280 feet) have been installed along the western edge of the site to date.
4. Wilder used the John Deere 450j dozer to cut the roadway subgrade which will be used to access wells outside the northwest fence line. The road cut was lined with geotextile material.
5. Wilder used the Kamatsu loader and the Volvo dumptrucks to move a sand stockpile from the Willamette Cove location to a location on the northern edge of the site. Geosynthetic fabric was placed between the topsoil layer and the new stockpile.
6. Wilder completed the installation of geotextile material on the impermeable liner area over the biotic rock layer. Wilder utilized the CAT 924G IT to deploy the geotextile rolls. Each panel is overlapped by 6 inches. Sand bags are being used to prevent wind up lift. Wilder used a propane torch to heat tack the overlapping panels together.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 63

Date: 8/23/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

7. Cascade Drilling painted well monuments and placed concrete forms for future installation of well pads.
8. Wilder made additional repairs to the chipped concrete sump at the tire wash facility, and grouted the pipe penetration at the outfall structure.
9. Wilder cut HDPE manhole sidewalls to grade, and compacted surrounding soil in preparation for placement of the precast concrete manhole pads.
10. A representative from the Oregon Department of Water Resources visited the site to follow up on the application for a variance for the well bollards on site. E&E provided drawings that indicated the variation.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 64

Date: 8/24/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 56 °F </u>	Clean: <u> x </u>
Part Cl dy: <u> </u>	Midday: <u> 73 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 80 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
Cascade Drilling	2	Well modification & install concrete well pads

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:15	17:00	John Montgomery	E&E	project meeting
9:30	16:45	Steve Campbell	DEQ	project meeting
7:10	16:50	Kevin Parrett	DEQ	project meeting
		Mark Reim	Wilder	project meeting
		Pat Turina	Wilder	project meeting
		Chad Nancarrow	E&E	project meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	1	Topsoil (unknown quantity).
Volvo A35D dumptruck	8	
Volvo A35D dumptruck	8	
CAT VHP grader	8	
Komatsu WA500 front loader	8	
CAT bull dozer D6R	0	Removed from site today
CAT bull dozer D6H	4	Delivered to site to replace D6R
Kenworth water Truck	5	
200 CC Excavator	3	
John Deere 450j bull dozer	5	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 64

Date: 8/24/2005 Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?
Jute netting and geotextile caught fire during well modification (see Note 1, below)	DEQ

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper became engulfed. Pete of Wilder was informed.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Topsoil was imported and placed on the northern portion of the cap area. Soil was imported by barge and trucks. The soil delivered by barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap. Soil delivered by truck was dumped directly on the Cap. Soil was spread with the 450j bull dozer, D6H dozer, and the caterpillar grader. Approximately 8.8 acres of the cap area has been covered with topsoil.
2. Willamette Fence Co. installed fence posts in the roadway on the south western portion of the site. They used a small tracked excavator and hand tools to dig the post holes. Posts were set in place with concrete. Forty fence posts (390 feet) have been installed along the western edge of the site to date.
3. Cascade Drilling extend wells in the FWDA area. Wells that were extended today are MW-60s, MW-20i, MW-Gs, MW-34i, EW-10s, EW-19s, and EW-2s.

NOTES/ISSUES:
Jute netting and geotextile in the northwest corner of the property caught on fire due to sparks generated when Cascade Drilling (CDI) cut a well monument. Only small patches of the netting and geotextile burned, and the fire was quickly put out by CDI with a fire extinguisher. Any future well modifications that occur near the jute netting, vegetation, or other flammable materials will be watered down prior to the start of work, and the Wilder water truck will be on stand-by in case of an emergency.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 65

Date: 8/24/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 60 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 76 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 89 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	13	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
Cascade Drilling	2	Well modification & install concrete well pads
Northwest Geotech	1	Compaction Testing

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	3	Topsoil (unknown quantity).
Volvo A35D dumptruck	6	1.5" minus rock for roads
Volvo A35D dumptruck	8	12" minus rock for stockpile
CAT VHP grader	9	4" minus rock for stockpile
Komatsu WA500 front loader	6	
CAT bull dozer D6H	9	
Kenworth water Truck	5	
Dynapac CC122 12 Roller	9	
200 CC Excavator	1	
John Deere 450j bull dozer	9	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 65

Date: 8/24/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper is in need of repair. Pete of Wilder was informed.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED

1. Topsoil was imported and placed on the cap area. Soil was imported by barge and trucks. The soil delivered by barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap, topsoil was unload from the barge until about 1:30. Soil delivered by truck was dumped directly on the Cap. Soil was spread with the D6H dozer, and the caterpillar grader. Approximately 10.3 acres of the cap area has been covered with top soil.
2. Willamette Fence Co. installed fence posts in the roadway on the southwestern portion of the site. A small tracked excavator and hand tools were used to dig the post holes. As of today, post holes are being dug over the liner system. Willamette Fence Co. was instructed to stop the use of the small tracked excavator when they encountered the geotextile and 4" minus rock. They were allowed to use the excavator to clean out the post hole at the point of contact, but not to dig any deeper. Any depth past biotic rock was to be hand dug. During excavation of two post holes the liner system was penetrated (see note 1 below). Posts were set in place with concrete. Fifty-four fence posts (530 feet) have been installed along the western edge of the site to date.
3. Wilder resumed importation of 1.5" minus rock for the gravel roads. The rock was roughly placed along the roads by truck and then graded by the 450j bull dozer. After grading the road was rolled by the Dynapac CC122 12 Series Roller. Wilder focused their work on the gravel road along the eastern side of the property.
4. Wilder stockpiled 12" minus rock and 4" minus rock along the northwestern edge of the property.
5. Manhole C was pumped free of water, and Wilder used a grinder to prepare the wedding rings for repair. Manhole C is the manhole that previously failed static pressure testing. Wilder has scheduled an extrusion welder to repair the leaks next week.
6. Wilder removed topsoil from around the tree at the support area, and replaced the soil with 4" minus rock.
7. Cascade Drilling extended wells MW-17s, PW-1d, and MW-2s. They also prepared forms, and installed labels and seals on various wells.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 65

Date: 8/24/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NOTES/ISSUES:

While digging two post holes for the fence that runs along the western bank Willamette Fence Company penetrated the liner system. They had been previously instructed to halt digging by excavator when they encountered the geotextile and 4" minus rock. Jacob and Pete of Wilder and Chad of E&E were notified. Jacob called Northwest Linings (NWL) to inform them and to request a crew for repairing the damaged area. Wilder carefully excavated the area and exposed the damaged liner. NWL will repair the damage next week.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

66

Date: 8/26/2005

Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 60 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 76 °F	Dusty: <input type="text"/>
Overcast: <input type="text"/>	Afternoon: <input type="text"/> 89 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
Womack Water Works	1	Backflow assembly annual test

VISITORS

Time In	Time Out	Name	Representing	Remarks
		Kevin Perrett	DEQ	Site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	3	Topsoil (unknown quantity).
Volvo A35D dumptruck	10	1.5" minus rock for roads
Volvo A35D dumptruck	10	
CAT VHP grader	10	
Komatsu WA500 front loader	10	
CAT bull dozer D6H	9	
Kenworth water Truck	6	
Dynapac CC122 12 Roller	6	
200 CC Excavator	2	
John Deere 450j bull dozer	5	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

66

Date: 8/26/2005

Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper was repaired at the beginning of the work day.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED

1. Topsoil was imported and placed on the cap area. Soil was imported by barge and trucks. The soil delivered by barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap, topsoil was unload from the barge until about 1:30. Soil delivered by truck was dumped directly on the Cap. Soil was spread with the D6H dozer, and the caterpillar grader. Approximately 10.8 acres of the cap area has been covered with topsoil.
2. Willamette Fence Co. installed fence posts in the roadway on the southwestern portion of the site. A small tracked excavator and hand tools were used to dig the post holes. Post holes are being dug over the liner system. Willamette Fence Co. was instructed to stop the use of the small tracked excavator when they encountered the geotextile and 4" minus rock. They were allowed to use the excavator to clean out the post hole at the point of contact, but not to dig any deeper. Any depth past biotic rock was to be hand dug. E&E personnel observed the post hole excavation work. Sixty-nine fence posts (680 feet) have been installed along the western edge of the site to date, with an additional eight holes excavated.
3. 1.5" minus road base material was imported and placed in various locations on the gravel road system to adjust grade as needed. The material was placed along the roads by truck and then graded by the 450j bull dozer. After grading the road was compacted using the Dynapac CC122 12 Series Roller.
4. A technician from Womack Water Works tested the two backflow assemblies located in the concrete vault near the east edge of the property. Both backflow assemblies passed the test.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 67

Date: 8/27/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: ☒
Part Cldy: ☐
Overcast: ☒
Rain: ☐
Fog: ☐
Snow: ☐
Other: ☐

Temperature

Morning: 60 °F
Midday: 74 °F
Afternoon: 89 °F

Site Conditions

Clean: ☒
Dusty: ☐
Muddy: ☐
Other: ☐

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	8	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Northwest Linings and Geotextile Products	2	Repair liner at excavation-damaged areas

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	3	Topsoil (unknown quantity).
Volvo A35D dumptruck	5	
Volvo A35D dumptruck	5	
CAT VHP grader	5	
Komatsu WA500 front loader	5	
CAT bull dozer D6H	5	
Kenworth water Truck	4	
Dynapac CC122 12 Roller	0	
200 CC Excavator	0	
John Deere 450j bull dozer	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 67

Date: 8/27/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges until mid-day. E&E performed visual inspections of the area. The silt fence below the hopper was in good condition. RI used clamshell to remove spilled below hopper at the end of the work day.
Inspect stockpiles & stormwater controls	n/a
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.	

WORK COMPLETED
1. Topsoil was imported and placed on the cap area. Soil was imported by barge. The soil delivered by barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap, topsoil was unload from the barge until empty, at about 11:10am. Soil was spread with the D6H dozer and the caterpillar grader. Approximately 11.8 acres of the cap area has been covered with topsoil.
2. Wilder used the Caterpillar IT to pull out the butt-section of a utility pole just off the northwest corner of the property, which had previously been cut off above surface grade. The IT was used to remove the utility pole from the cap area.
3. Northwest Linings and Geotextile were onsite to repair the two damaged areas of the impermeable liner at fence post excavations reported earlier in the week. Patches were extrusion welded at each location. Vacuum tests were performed on each patch, and no leaks were detected.

NOTES/ISSUES:
none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 68

Date: 8/29/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 56 °F	Clean: x
Part Cldy: x	Midday: 70 °F	Dusty: _____
Overcast: x	Afternoon: 75 °F	Muddy: _____
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	10	
Ross Island Sand and Gravel (RIS&G)	2	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence
Northwest Geotech	1	Compaction testing

VISITORS

Time In	Time Out	Name	Representing	Remarks
		Kevin Parrett	DEQ	Site visit
		Heidi Blischke	DEQ	Site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	3	Topsoil (unknown quantity).
Volvo A35D dumptruck	10	1.5" minus rock for roads
Volvo A35D dumptruck	10	
CAT VHP grader	10	
Komatsu WA500 front loader	10	
CAT bull dozer D6H	9	
Kenworth water Truck	2	
Dynapac CC122 12 Roller	0	
200 CC Excavator	0	
John Deere 450j bull dozer	5	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 68

Date: 8/29/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes, none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence below the hopper was repaired at the beginning of the work day.	
Inspect stockpiles & stormwater controls	n/a	
Other: The shoreline was inspected in the sediment cap repair area. The water level was extremely low during low tide today. Areas of the ACB in Willamette Cove that had not been exposed previously were exposed (See the Notes/Issues section below).		
WORK COMPLETED		
1. Topsoil was imported and placed on the cap area. The soil delivered by barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap. Soil was spread with the D6H dozer, and the caterpillar grader. Approximately 12.5 acres of the cap area has been covered with topsoil.		
2. Willamette Fence Co. installed fence posts in the roadway on the southwestern portion of the site. A small tracked excavator and hand tools were used to dig the post holes. Post holes are being dug over the liner system. Willamette Fence Co. was instructed to stop the use of the small tracked excavator when they encountered the geotextile and 4" minus rock. They were allowed to use the excavator to clean out the post hole at the point of contact, but not to dig any deeper. Any depth past biotic rock was to be hand dug. E&E personnel observed the post hole excavation work. One-hundred and two fence posts (1010 feet) have been installed along the western edge of the site to date, with an additional eight holes excavated.		
3. One truck load of 1.5" minus road base material was imported and placed on the gravel road along the southwestern edge of the site to adjust grade as needed. No spreading of the material has been performed yet.		
4. Wilder removed their tool trailer that had been located along the southeastern edge of the support facilities. They also removed all items from their field trailer in preparation of having the trailer removed from the site.		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 68

Date: 8/29/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

5. E&E moved all necessary items from our support trailers into the shop building. This was done in preparation of our field trailers being relocated. Wilder relocated the trailers to the gravel road to the south of the support area.

6. Northwest Geotech was on-site to collect samples for development of a proctor on the combination of imported soil from Ross Island and Morse Bros. The soils were mixed together because they were being imported by barge and highway truck and spread over the same area of the cap.

7. Wilder installed the manhole covers for MH-A and MH-B. They used the 924G CAT IT to lower the precast concrete covers into place. The covers were aligned so that the entrance is aligned between the inflow and outflow pipes.

NOTES/ISSUES:

1. During shoreline inspection an area of concern was observed in Willamette Cove where some sheen was noted. It is unclear whether or not it was from surface water or coming through the Sediment Cap. The area was marked and will be inspected again in an attempt to assess its origin.

2. Also during shoreline inspection a long length of seam between ACB that should have grout was observed. Broken up ACB blocks were purposefully placed within the seam and grout was placed in one area, but an assessment of the necessity for grout should be made.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 69

Date: 8/30/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 56 °F	Clean: _____
Part Cldy: x	Midday: 65 °F	Dusty: _____
Overcast: x	Afternoon: 75 °F	Muddy: x
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of topsoil
Willamette Fence, Inc	2	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:00	17:30	Zander Whitman	E&E	

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	6	Topsoil (unknown quantity).
Volvo A35D dumptruck	10	
Volvo A35D dumptruck	10	
CAT VHP grader	10	
Komatsu WA500 front loader	10	
CAT bull dozer D6H	9	
Kenworth water Truck	1	
Dynapac CC122 12 Roller	6	
200 CC Excavator	4	
John Deere 450j bull dozer	5	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

69

Date: 8/30/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes, topsoil was transferred from the barges throughout the day. E&E performed visual inspections of the area. The silt fence is in good condition.
Inspect stockpiles & stormwater controls	n/a
Other: See notes and issues section below about information on observed sheen in Willamette Cove area.	

WORK COMPLETED

1. Topsoil was imported and placed on the cap area. The soil delivered by the barge was loaded into the A35D Volvo dumptrucks with the Komatsu loader and transported to the cap. Soil was spread with the D6H dozer, and the caterpillar grader. Approximately 14.6 acres of the cap area has been covered with topsoil.
2. Willamette Fence Co. installed fence posts in the roadway on the southwestern portion of the site. A small tracked excavator and hand tools were used to dig the post holes. Post holes are being dug over the liner system. Willamette Fence Co. was instructed to stop the use of the small tracked excavator when they encountered the geotextile and 4" minus rock. They were allowed to use the excavator to clean out the post hole at the point of contact, but not to dig any deeper. Any depth past biotic rock was to be hand dug. E&E personnel observed the post hole excavation work. One-hundred and nineteen fence posts (1180 feet) have been installed along the western edge of the site to date.
3. Wilder used the 650j dozer and the diaper roller to perform fine grading and compaction on the gravel access roads.
4. Wilder's support trailer was removed from the site.

NOTES/ISSUES:

1. The area of concern identified yesterday in Willamette Cove was observed again today. It is still unclear whether or not the sheen is from surface water or coming through the Sediment Cap. Monitoring and inspection of this area will occur at low water in an attempt to determine the source. Additional areas of sheen (sheen bursts) were observed in an area underneath the railroad bridge, these also will be monitored further. These sheen bursts appear to be associated with gas releases (bubbling). Sediment cap authorities have informed field staff that gas releases are typical in sediment caps due to biological activities and the compression or entrapment of gases during placement. Field observations have determined that bubbling increases significantly during low water and warm weather, both of which occurred yesterday and today.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 70

Date: 8/31/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 56 °F	Clean: _____
Part Cldy: x	Midday: 70 °F	Dusty: _____
Overcast: _____	Afternoon: 80 °F	Muddy: x
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	12	
Ross Island Sand and Gravel (RIS&G)	3	Barge off-loading of topsoil/demobilization
Willamette Fence, Inc	2	Install fence
Cascade Drilling	2	Install & paint well bollards
Northwest Geotech	1	Soil compaction tests

VISITORS

Time In	Time Out	Name	Representing	Remarks
10:00	16:30	Zander Whitman	E&E	project meeting
10:00	16:00	John Montgomery	E&E	project meeting
10:00	16:00	Steve Campbell	DEQ	project meeting
8:30	17:30	Kevin Parrett	DEQ	project meeting
13:00	16:00	Pat Turina	Wilder	project meeting
11:30	16:30	Chad Nancarrow	E&E	project meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	6	Topsoil (unknown quantity).
Volvo A35D dumptruck	2 (off-site)	All of the seed mixes
Volvo A35D dumptruck	0 (off-site)	Thirty-eight 1000-lb. bags of Fertile Fiber
CAT VHP grader	10	One hundred 50-lb. bags of Humic Shale
Komatsu WA500 front loader	8	Six pallets of 50-lb bags of Fertile Fiber
CAT bull dozer D6H	8	Twenty-one 1015-lb. bags of Mix #5646
Kenworth water Truck	5	Ten 825-lb. bags of Mix #5647
Dynapac CC122 12 Roller	3	
200 CC Excavator	5	
John Deere 450j bull dozer	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 70

Date: 8/31/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	Yes. Crane, hopper and, conveyor were demobilized. E&E performed visual inspections of the area. The silt fence was in good condition until dismantled.
Inspect stockpiles & stormwater controls	n/a

Other: See notes and issues section below about continued monitoring of sheen observed in Willamette Cove on Monday.

WORK COMPLETED

1. Topsoil was imported by truck and trailer today. The soil was placed by the truck drivers in the vicinity of the areas in which it was required. The soil was then spread with the D6H dozer and the caterpillar grader. The impermeable cap area is now completely covered with topsoil and according to Wilder is at final grade. E&E will not be able to completely verify the final grade until they receive the required survey information. Placement and grading continued outside the impermeable Cap.
2. Willamette Fence Co. installed fence posts in the roadway on the western portion of the site. A small tracked excavator and hand tools were used to dig the post holes. Post holes are being dug over the liner system. Willamette Fence Co. was instructed to stop the use of the small tracked excavator when they encountered the geotextile and 4" minus rock. They were allowed to use the excavator to clean out the post hole at the point of contact, but not to dig any deeper. Any depth past biotic rock was to be hand dug. E&E personnel observed the post hole excavation work. One hundred thirty-six fence posts (1350 feet) have been installed along the western edge of the site to date.
3. Wilder used the 200j excavator and the 450j dozer to cut excess material from the support facility pad. The cut material was loaded onto a Volvo A35 haul truck with a Kamatsu loader and dumped on the edge of N. Edgewater Street between the site boundary and the railroad crossing.
4. Cascade drilling installed bollards at monitoring wells MW-2S, PW-1D, PW-2D, MW-OS, MW-53, MW-55, MW-57, MW-DS, EW-2S, MW-60D, MW-20I, MW-6S, MW-34I, EW-10S, and EW-19S.
5. Ross Island Sand & Gravel dismantled the barge off-loading equipment. They used the 200c excavator to support the conveyor frame.
6. Wilder used the Kamatsu loader to move rip-rap material from the Willamette Cove area to a stockpile located in the southeast corner of the site.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 70

Date: 8/31/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

- 7. Northwest Geotechnical performed soil compaction tests on the top soil.
- 8. Wilder used the Grader to rip and grade top soil.
- 9. Wilder installed the pre-cast manhole pad on manhole MH-D.
- 10. Wilder moved the waste drums from the temporary hazardous waste storage area to the new concrete waste storage containment facility.

NOTES/ISSUES:

- 1. The area of concern/sheen identified on Monday in Willamette Cove was inspected again today. The extent of the sheen is very small and does not appear to be petroleum based as it is not iridescent and has very little odor. The areas of sheen bursts underneath the railroad bridge that were also observed on Monday and again on Tuesday were inspected at low water. No sheen or sheen bursts were observed by E&E today. Water levels did not appear as low today.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 71

Date: 9/1/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 58 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 71 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 83 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	7	
Ross Island Sand and Gravel (RIS&G)	2	Remove barge from Willamette Cove
Willamette Fence, Inc	2	Install fence
Cascade Drilling	2	Install & paint well bollards
Northwest Geotech	1	Soil compaction tests
AINW	3	Archeological survey
Munitor	2	Removal of ACB cable ends

VISITORS

Time In	Time Out	Name	Representing	Remarks
15:30	16:30	Pat Turina	Wilder	site visit
14:40	16:15	Brian Cieko	E&E	site visit
		Erin Hale	E&E	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	8	Topsoil (unknown quantity).
CAT VHP grader	10	
Komatsu WA500 front loader	6	
CAT bull dozer D6H	6	
Kenworth water Truck	2	
Dynapac CC122 12 Roller	0	
200 CC Excavator	4	
John Deere 450j bull dozer	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 71

Date: 9/1/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	n/a - barge offloading has ceased
Inspect stockpiles & stormwater controls	n/a

WORK COMPLETED

1. Topsoil was imported by truck and trailer today. The soil was placed in a stockpile with the DCH dozer and the 450j dozer north of the support facility, adjacent to the ACB storage. Soil was also placed by the truck drivers in areas of the site that required additional fill, and then spread with the 450j dozer and the caterpillar grader. E&E will not be able to completely verify the final grade until they receive the required survey information.
2. Willamette Fence Co. installed fence posts in the roadway on the western portion of the site. One hundred fifty-nine fence posts (1580 feet) have been installed along the western edge of the site to date.
3. Wilder used the 450j dozer and the Caterpillar grader to grade the support facility pad.
4. Cascade drilling installed bollards around monitoring wells MW-49s, MW-51s, MW-59s, and EW-8s, MW-57, MW-DS, EW-2S, MW-60D, MW-20I, MW-6S, MW-34I, EW-10S, and EW-19S.
5. Ross Island Sand & Gravel removed the barge and equipment from Willamette Cove. Wilder used the 200c excavator and Kamatu loader to remove excess soil from the area where the hopper had been located and repaired the bank slope contours. Wilder will place 12-inch minus rock tomorrow to armor the slope.
6. Wilder extrusion welded the leaking joint on Manhole C, and performed a static pressure test on the manhole. The inlet and outlet to the manhole were plugged, and water was placed in the manhole to a point just below the perforated section. The water level in the manhole was monitored for a period of two hours, and no drop in water level occurred. The pre-cast manhole pad was placed over the manhole.
7. Northwest Geotechnical performed soil compaction tests on the top soil. The compaction testing of the rock roads was halted with the approval of the Engineer due to the percentage of oversize rock being too high for the ASTM method of testing. An alternative method of 'proof rolling' will be used. Proof rolling is a visual inspection by the testing agency. A fully load water truck is driven slowly (3-5 mph) while the testing agency inspector watches for deflection. If deflection is observed he will mark it for further compaction. After further compaction effort is applied the inspection will be performed again.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 71

Date: 9/1/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

8. Wilder used the Caterpillar grader to cut topsoil between the western roadway and the greenway to adjust grade. After grading, the slope still did not have grade indicated in the project plans. Further grade adjustment is required.

9. Munitor was on site to cut off loose cable ends from the ACB bank armoring and perform clean-up activities.

10. Wilder placed jute matting material on the northeastern portion of the swale. Wilder also began placing jute mat on river bank slope in the northwestern corner of the site.

11. Wilder used the 450j dozer to grade the top soil and existing soil along the rock spillway in the southeastern corner of the site.

12. AINW performed an archeological survey of the upland cap area. AINW report to the field staff that no artifacts were found.

NOTES/ISSUES:

1. The area of concern in Willamette Cove was below the water surface and no sheen was observed in the area. No sheen or sheen bursts were observed under the RR-bridge.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 72

Date: 9/2/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 55 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 75 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	7	
Willamette Fence, Inc	2	Install fence
Northwest Geotech	1	Soil compaction tests
Munitor	2	Removal of ACB cable ends

VISITORS

Time In	Time Out	Name	Representing	Remarks
		Kevin Parrett	DEQ	Site Visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	8	12"-minus for barge off-loading area
CAT VHP grader	10	Topsoil for stockpile next to Conex containers
Komatsu WA500 front loader	6	Van Houten restoration
CAT bull dozer D6H	0	
Kenworth water Truck	2	
Dynapac CC122 12 Roller	0	
200 CC Excavator	5	
John Deere 450j bull dozer	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 72

Date: 9/2/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.
Inspect barge offloading	n/a - barge offloading has ceased
Inspect stockpiles & stormwater controls	n/a

WORK COMPLETED
1. Topsoil was imported by truck and trailer today. The soil was placed in a small stockpile adjacent to (east of) the Conex containers near the Support Facility and south of the McCormick property for the Van Houten restoration. The topsoil has been stockpiled, but not spread over Van Houten yet.
2. Willamette Fence Co. installed fence posts in the roadway on the western portion of the site. One hundred seventy fence posts (1690 feet) have been installed along the western edge of the site to date. An additional 23 holes have already been dug and are ready to have post installed in them.
3. Wilder used the 450j dozer, Komatsu loader, and the Caterpillar grader to grade the support facility pad in preparation of paving.
4. Proof rolling of the gravel roads occurred under the inspection of NW Geotech. Proof rolling is a visual inspection by the testing agency. A fully load water truck is driven slowly (3-5 mph) while the testing agency inspector watches for deflection. If deflection was observed the area was marked to indicate the need for further compaction. One area along the southern access road through the cap was noted as having deflection. The area is approximately 225 feet west of the eastern access road and is approximately 30 feet long. After further compaction effort is applied the inspection will be performed again. Approximately 600 feet of the western roadway was not proof rolled because Willamette Fence Company was still working and disturbing the road in this area. It will be tested at a later date.
5. Wilder used the Caterpillar grader to cut top soil between the western roadway and the greenway to adjust grade. Further grade adjustment is required.
6. Munitor was on site to cut off loose cable ends from the ACB bank armoring and perform clean-up activities.
7. Wilder began to spread the material scraped off the support area onto N. Edgewater Road. They placed material for about 250 feet along N. Edgewater from the RR crossing.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 72

Date: 9/2/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

8. Wilder reconstructed the bank at the barge off-loading area. They used the 200C excavator to fill in the cut in the bank with topsoil to match the surrounding grade. The bucket of the excavator was used to compact the topsoil after it was placed. 12-inch minus rock was then placed over the new topsoil.

9. Wilder placed jute matting material on the exposed slopes of the spillway.

10. Wilder utilized the Caterpillar grader to perform fine grading in the area east of the retention pond.

NOTES/ISSUES:

1. The area of concern in Willamette Cove was below the water surface and no sheen was observed in the area. No sheen or sheen bursts were observed under the RR-bridge.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 73

Date: 9/6/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: <u> x </u>	Morning: <u> 57 °F </u>	Clean: <u> </u>
Part Cldy: <u> </u>	Midday: <u> 76 °F </u>	Dusty: <u> x </u>
Overcast: <u> </u>	Afternoon: <u> 80 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	
Willamette Fence, Inc	3	Install fence
Northwest Hydro-mulchers	5	Hydroseeding

VISITORS

Time In	Time Out	Name	Representing	Remarks
		Kevin Parrett	DEQ	Site Visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-	8	1.5" minus rock for gravel roads and southeast corner
CAT VHP grader	10	
Komatsu WA500 front loader	0	Taken off site today
CAT bull dozer D6H	0	
Kenworth water Truck	0	
Dynapac CC122 12 Roller	0	
200 CC Excavator	5	
John Deere 450j bull dozer	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 73

Date: 9/6/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	n/a
Inspect barge offloading	n/a - barge offloading has ceased
Inspect stockpiles & stormwater controls	n/a

WORK COMPLETED

1. Northwest Hydro-Mulchers began hydroseeding the Open Grassland (Impermeable Cap) area today. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank, half acre batches were prepared. The following amounts were used to create half acre batches for the impermeable cap mix: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of Liquid Humus, 10 lbs. of tackifier, 13.5 lbs (PLS) of Open Grassland seed (1/2 bag), 250 lbs of humic shale (5 bags), and approx. 500 lbs of supplements (1/2 tote). NW Hydro-Mulchers utilized a fork lift for lifting the totes that hold the Fertile Fiber and supplements so that the contents could be emptied into the mixing tank. They covered the 6 acres of impermeable cap area that is located between the two access roads leading through the cap. They have also covered approx. 1 acre of area in the southern portion of the impermeable cap.
2. Willamette Fence Co. began installing fence post around the support facility. They dug the post holes using a jackhammer, they then used hand tools to clean out the holes. No concrete has been poured to secure the post yet.
3. Wilder used the caterpillar grader to grade the support facility area in preparation for paving activities. They also realigned and rebuilt the road that leads into the support facility area. It had previously been altered to accommodate haul trucks and highway trucks that were delivering material to the site. The temporary fence that runs along the entrance to the site was moved to be west of the new fence that will be installed.
4. Wilder used the Caterpillar grader to cut top soil between the western roadway and the greenway to adjust grade. Further grade adjustment is required.
5. Wilder placed 1.5" minus rock outside the fence line in the southeast corner of the property, as discussed in the Wednesday weekly meeting.
6. Final grading of Van Houten was completed today, and Wilder took topographical shots with their TopCon system.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 73

Date: 9/6/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

7. Two culverts and crushed rock were installed per a change order in the spillway in the southwest corner of the property. The access road along the south is now connected to the western road via this bridge over the spillway.

8. Wilder adjusted the grade between the western access road and the break in grade ('regraded bank') towards the river. The grade to the river was constructed as the transition between the Sediment Cap and the Upland Cap. Turf Reinforcement Mat (TRM) was placed on the surface of the bank for long term grade stability. Cutting and tearing of the

9. DEQ and E&E assisted Wilder with hydroseeding preparations by knocking racking out ruts and filling large holes.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 74

Date: 9/7/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 76 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 85 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	
Willamette Fence, Inc	4	Install fence
Northwest Hydro-mulchers	5	Hydroseeding
DEA	1	Surveying
Eagle Elsner	2	Pavement Company

VISITORS

Time In	Time Out	Name	Representing	Remarks
9:40	5:50	Kevin Parrett	DEQ	Site Meeting
9:45	5:50	Steve Campbell	DEQ	Site Meeting
13:00	5:50	Pat Turina	Wilder	Site Meeting
11:00	18:00	Chad Nancarrow	E&E	Site Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)	MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier) 2	
CAT VHP grader 5	
Kenworth water Truck 0	Taken off site today
Case 586G Forklift 8	used by NW Hydro-Mulchers
CAT 140G Grader 0	Delivered to site by Eagle Elsner
CAT CS-563 roller 0	Delivered to site by Eagle Elsner
Dynapac CC122 12 Roller 8	
200 CC Excavator 3	
John Deere 450j bull dozer 6	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

74

Date: 9/7/2005

Day: Wednesday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	n/a
Inspect barge offloading	n/a - barge offloading has ceased
Inspect stockpiles & stormwater controls	n/a

WORK COMPLETED

1. Northwest Hydro-Mulchers finished hydroseeding the Open Grassland (Impermeable Cap) area today. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank, half acre batches were prepared. The following amounts were used to create half acre batches for the impermeable cap mix: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of Liquid Humus, 10 lbs. of tackifier, 13.5 lbs (PLS) of Open Grassland seed (1/2 bag), 250 lbs of humic shale (5 bags), and approx. 500 lbs of supplements (1/2 tote). NW Hydro-Mulchers utilized a fork lift for lifting the totes that hold the Fertile Fiber and supplements so that the contents could be emptied into the mixing tank. They covered the remaining 2 acres in the southern portion of the cap area, and all of the 5 acres in the northern area of the cap.
2. Northwest Hydro-Mulchers completed hydroseeding of the pond bottom and the pond side slopes. They utilized a truck equipped with a 1200 gallon tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank, quarter acre batches were prepared. The following amounts were used to create quarter acre batches for the pond bottom: 500 lbs. of Mat Fiber, 10 lbs. of tackifier, and 7 lbs. (PLS) of pond bottom seed. The following amounts were used to create quarter acre batches for the pond side slopes: 500 lbs. of Mat Fiber, 10 lbs. of tackifier, 5 lbs. (PLS) of pond side slope seed, and approx. 200 lbs. of native soil supplements. NW Hydro-Mulchers utilized a fork lift for lifting the totes that hold supplements so that the contents could be emptied into the mixing tank.
3. Northwest Hydro-Mulchers began hydroseeding the swale area starting at the retention pond and working their way north. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank, 1/3 acre batches were prepared. The following amounts were used to create 1/3 acre batches: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10.5 lbs. (PLS) of swale seed, and approx. 275 lbs. of native soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank. NW Hydro-Mulchers has covered approx. one acre of swale area.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 74

Date: 9/7/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

4. Van Houten and the barge off load area were hydroseeded today. NW-Hydro Mulchers used the same process for mixing and placing the materials as before. The mix used on Van Houten and the barge off load area contained Mat Fiber, tackifier, native seed mix, and standard fertilizer.

5. Prior to the barge off loading area being hydroseeded Wilder graded down all berms that were created along their haul road, and ripped the roads and staging areas used during barge off loading activities.

6. Willamette Fence Co. continued installing fence post around the support facility. They dug the post holes using a bobcat with an auger attachment, and a jackhammer. They then used hand tools to clean out the holes. Forty-four post have been set in concrete.

7. Eagle Elsner was onsite preparing for paving activities. They used laser grade control to drive grade hubs into the support facility base layer. Wilder hand raked and then rolled the support facility area to repair damage that occurred due to today's construction activities.

8. Wilder used the 200C excavator to grade the western bank of the property. Soil was pulled away from the edge of the bank to achieve drainage away from the cap area. When the soil was pulled away portions of TRM were removed. Scraps of TRM that were mixed in with the soil were removed and disposed of. The Caterpillar grader was also used to grade along the bank in order to achieve the desired drainage slope along the western bank. No further grading work is required on the western bank.

9. Wilder used the Caterpillar grader to grade the gravel material cut from the support facility area along N. Edgewater road.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 75

Date: 9/8/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: ☒
Part Cldy: ☒
Overcast: ☐
Rain: ☐
Fog: ☐
Snow: ☐
Other: ☐

Temperature

Morning: 60 °F
Midday: 77 °F
Afternoon: 85 °F

Site Conditions

Clean: ☐
Dusty: ☒
Muddy: ☐
Other: ☐

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	
Willamette Fence, Inc	3	Install fence
Northwest Hydro-mulchers	5	Hydroseeding
Cascade Drilling	3	Concrete pads around wells and bollards
Ancil Plumbing	1	Repair water line and plumb eyewash
Eagle Elsner	4	Pavement Company

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	2	3/4" minus rock for support facility pad
CAT VHP grader	0	Taken off site today
Dynapac CC122 12 Roller	4	
Case 586G Forklift	8	used by NW Hydro-Mulchers
Water Truck	1	used by Eagle Elsner Paving
CAT 140G Grader	6	used by Eagle Elsner Paving
CAT CS-563 roller	4	used by Eagle Elsner Paving
200 CC Excavator	3	
John Deere 450j bull dozer	6	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 75

Date: 9/8/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	n/a	
Inspect barge offloading	n/a - barge offloading has ceased	
Inspect stockpiles & stormwater controls	n/a	
WORK COMPLETED		
<p>1. Northwest Hydro-Mulchers hydroseeded 1 acre of barge soil cap area at the north part of the site. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Two 1/2 acre batches were prepared for the barge soil cap area. The following amounts were used to create 1/2 acre batches: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of liquid humus, 250 lbs. of humic shale, 20 lbs of tackifier, 15 lbs. (PLS) of soil cap seed, and approx. 500 lbs. of barge soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank.</p>		
<p>2. Northwest Hydro-Mulchers began hydroseeding the native soil cap area south between the retention pond and impermeable cap, and along the southern and eastern edges of the property. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Nine 1/3 acre batches, and two 1/4 acres batches were mixed for the native soil cap areas. The following amounts were used to create 1/3 acre batches: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10 lbs. (PLS) of soil cap seed, and approx. 275 lbs. of native soil supplements. The following amounts were used to create 1/4 acre batches: 500 lbs. of Mat Fiber, 10 lbs. of tackifier, approx. 7.5 lbs. (PLS) of soil cap seed, and approx. 206 lbs. of native soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank. Approx 3.5 acres of the native soil cap area has been hydroseeded.</p>		



ecology and environment, inc.

DAILY FIELD REPORT NO.:

75

Date: 9/8/2005

Day: Thursday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

WORK COMPLETED (Continued)

3. Northwest Hydro-Mulchers completed hydroseeding the swale area. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Three 1/3 acre batches were mixed for native soil swale areas, and two 1/2 acre batches were prepared for barge soil swale areas. The following amounts were used to create 1/3 acre batches: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10.5 lbs. (PLS) of swale seed, and approx. 275 lbs. of native soil supplements. The following amounts were used to create 1/2 acre batches: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of liquid humus, 250 lbs. of humic shale, 20 lbs of tackifier, 16 lbs. (PLS) of swale seed, and approx. 500 lbs. of barge soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank.

4. Willamette Fence Co. continued installing fence post around the support facility. They dug the post holes using a bobcat with an auger attachment, and a jackhammer. They then used hand tools to clean out the holes. Seventy-nine posts have been set in concrete. While digging the post holes a water line running along the southern edge of the support facility area was hit (see note 1). Willamette Fence Co. also began installing the post tops for the site perimeter fence that will support the barbed wire, and began installing tension wire along the northern portion of site perimeter fence.

5. Wilder laid geotextile fabric over the support facility area in preparation for paving. Once the fabric was laid trucks delivered 3/4" minus rock for the 4" base layer. Eagle Elsner Paving used their grader and laser grade control to place the rock to the appropriate thickness. Significant pumping caused the fabric layer to break through the 4" base layer while grading was occurring. In order to create a stable enough surface for paving the base layer thickness will be increased.

6. Wilder installed temporary fence panels at the southern end of the property to block Van Houten.

7. Cascade Drilling set bollards and installed concrete pads around monitoring wells on the site. There are still wells that need completion.

8. Wilder used a jeep and old fence fabric and panels to smooth ruts in the topsoil surface. The fence fabric and panels were attached to the jeep and then dragged over areas that required the additional work. Wilder also used the 450j dozer to prepare the north east corner of the property for hydroseeding.

NOTES/ISSUES:

1. While digging post holes along the southern edge of the support facility Willamette Fence Co. hit a water service line. The damaged water line was repaired by Anctil Plumbing.

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 76

Date: 9/9/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 52 °F	Clean: <input type="checkbox"/>
Part Cldy: <input checked="" type="checkbox"/>	Midday: 62 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 70 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Willamette Fence, Inc	3	Install fence
Northwest Hydro-mulchers	5	Hydroseeding
Cascade Drilling	2	Concrete pads around wells and bollards
Rexius	2	Compost for bank areas
Eagle Elsner	4	Pavement Company

VISITORS

Time In	Time Out	Name	Representing	Remarks
9:30	1:30	Kevin Parrett	DEQ	site visit
10:10	12:30	Rene Fuentes	EPA	site visit
10:10	12:30	Heidi Blischke	DEQ	site visit
10:10	12:30	Eric Blischke	EPA	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)	MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier) 4	3/4" minus rock for support facility pad
Dynapac CC122 12 Roller 0	
Case 586G Forklift 7	used by NW Hydro-Mulchers
Water Truck 6	used by Eagle Elsner Paving
CAT 140G Grader 10	used by Eagle Elsner Paving
CAT CS-563 roller 7	used by Eagle Elsner Paving
200 CC Excavator 1	
John Deere 450j bull dozer 2	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

76

Date: 9/9/2005

Day: Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes; none was noted.
Inspect equipment fueling	n/a
Inspect shoreline (turbidity?)	n/a
Inspect barge offloading	n/a - barge offloading has ceased
Inspect stockpiles & stormwater controls	n/a

WORK COMPLETED

1. Northwest Hydro-Mulchers hydroseeded 1.5 acres of barge soil cap area at the north east corner of the site and south of the support facility. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Three 1/2 acre batches were prepared for the barge soil cap area. The following amounts were used to create 1/2 acre batches: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of liquid humus, 250 lbs. of humic shale, 20 lbs of tackifier, 15 lbs. (PLS) of soil cap seed, and approx. 500 lbs. of barge soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank. There is approx. 3 acres of barge soil cap to be seeded.

2. Northwest Hydro-Mulchers continued to hydroseeding the native soil cap area starting at the south end of the property and working their way north. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Eleven 1/3 acre batches, and one 1/4 acres batch were mixed for the native soil cap areas. The following amounts were used to create 1/3 acre batches: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10 lbs. (PLS) of soil cap seed, and approx. 275 lbs. of native soil supplements. The following amounts were used to create the 1/4 acre batch: 500 lbs. of Mat Fiber, 10 lbs. of tackifier, approx. 7.5 lbs. (PLS) of soil cap seed, and approx. 206 lbs. of native soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank. All but 1/3 of an acre of native soil cap area has been hydroseeded. This area was not seeded today because it is still needed as an access road.

3. Willamette Fence Co. installed 18 fence posts and 2 gate posts along the western bank of the property. They also installed fence post along the northwestern fence line, and 2 gate post for the road that provides access for monitoring wells outside the north fence. They dug the post holes using a bobcat with an auger attachment, and hand tools. Willamette Fence Co. continued to install tension wire and tension bars today. Eight fence post still need to be installed along the western bank.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 76

Date: 9/9/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

4. Eagle Elsner Paving continued to prepare the support area for paving. 3/4" minus rock was delivered by highway truck. They then used a grader and a two dimensional grade laser to place the material to the appropriate thickness. The material was then compacted using the roller. Around the containment area, shop building, tire wash, and fence post hand tools were used to place material; it was then compacted using a plate compactor. The support facility area is prepared for paving to take place tomorrow.

5. Rexius placed compost along the bank in the north west corner of the property, along the outfall, and along the spillway.

6. Cascade Drilling finished installing pads and bollards for all required wells. MW-1r will be completed once paving activities have ceased. MW-59s has been flush mounted.

7. Wilder performed final topsoil surface preparation, they used hand tools to smooth ruts and fill low spots along the roads. They also tied the rip-rap along the spillway into the topsoil.

8. DEA took survey shots, including the regraded western bank and monitoring well elevations.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 77

Date: 9/10/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: <u>52 °F</u>	Clean: <u>x</u>
Part Cldy: _____	Midday: <u>61 °F</u>	Dusty: _____
Overcast: <u>x</u>	Afternoon: <u>68 °F</u>	Muddy: _____
Rain: <u>x</u>		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
Eagle Elsner	6	Pavement Company

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	0	
Dynapac CC122 12 Roller	0	
Case 586G Forklift	0	
Water Truck	0	
CAT 140G Grader	0	
CAT CS-563 roller	0	
CAT AP-1055B Paving Machine	7	used by Eagle Elsner Paving
Ingersoll-Rand DA-48	7	used by Eagle Elsner Paving
200 CC Excavator	1	
John Deere 450j bull dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 77

Date: 9/10/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	n/a	
Inspect shoreline (turbidity?)	n/a	
Inspect barge offloading	n/a - barge offloading has ceased	
Inspect stockpiles & stormwater controls	n/a	
WORK COMPLETED		
1. Eagle Elsner paved the support facility area today. They utilized a CAT AP-1055B Paver equipped with a Carlson screed to lay the 4" layer of asphalt. After laying the asphalt it was rolled using the Ingersoll-Rand DA-48 roller. For areas that required hand work asphalt was either dumped directly from the truck or placed by wheel barrow, it was then hand raked and compacted with a plate compactor. In some areas that required hand work a small roller was able to be used for compaction.		
2. Wilder used the 200C excavator to block the hydroseeded area at the former barge off-loading area.		
NOTES/ISSUES:		
none		
Prepared By:	Field Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 78

Date: 9/12/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: x
Part Cldy: _____	Midday: 61 °F	Dusty: _____
Overcast: x	Afternoon: 73 °F	Muddy: _____
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Willamette Fence Co.	4	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:15	2:00	Kevin Parrett	DEQ	Visit
15:20	16:20	Pat Turina	Wilder	Visit
15:20	16:20	Mike Fey	Wilder	Visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	5	
Dynapac CC122 12 Roller	1	
Case 586G Forklift	2	used by Willamette Fence Co.
Water Truck	0	Taken off site
CAT 140G Grader	0	Taken off site
CAT CS-563 roller	0	Taken off site
CAT AP-1055B Paving Machine	0	Taken off site
Ingersoll-Rand DA-48	0	Taken off site
200 CC Excavator	0	
John Deere 450j bull dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 78

Date: 9/12/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

1. Concrete fasteners for manhole ladders

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

n/a

Inspect equipment (leaks?)

Yes; none was noted.

Inspect equipment fueling

n/a

Inspect shoreline (turbidity?)

n/a

Inspect barge offloading

n/a - barge offloading has ceased

Inspect stockpiles & stormwater controls

n/a

WORK COMPLETED

1. Wilder completed grading in the northeast corner of the property. They used the 450j dozer to grub vegetation and spreadout topsoil. Excess 3/4" minus material, scraped from the support facility area, was placed at the entrance to the site to blend with the end of the pavement. Placement was done using the 924G CAT IT, the material was compacted using the dynapac roller. Boulders from near bridge pier still need to be placed west of MW-61s.

2. Wilder began installing the manhole ladders today. They began by creating a template out of plywood for the positioning of the ladder brackets. Once the template was created they used the 924G CAT IT to lift the manhole pad off the manhole and turn it upside down, placed the template on the pad, and drilled the holes for the ladder brackets, this was completed for MH-A and MH-B. On MH-A Wilder was used 'Redhead concrete fasteners' to fasten the brackets, but it was discovered these were not the fastener type submitted and approved. Wilder ceased installing the brackets until the correct fasteners are provided.

3. Willamette Fence Co. continued working on installing the site perimeter fence. They finished installing post along the north and west edges of the property. They continued to install tension wire and tension bars. Fence fabric that is to be re-used has been laid out along the north edge of the property.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.:

79

Date: 9/13/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: <input type="text"/> 50 °F	Clean: <input type="text"/>
Part Cldy: <input type="text"/>	Midday: <input type="text"/> 61 °F	Dusty: <input checked="" type="checkbox"/>
Overcast: <input checked="" type="checkbox"/>	Afternoon: <input type="text"/> 78 °F	Muddy: <input type="text"/>
Rain: <input type="text"/>		Other: <input type="text"/>
Fog: <input type="text"/>		
Snow: <input type="text"/>		
Other: <input type="text"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Willamette Fence Co.	4	Install fence

VISITORS

Time In	Time Out	Name	Representing	Remarks
14:00	16:30	Kevin Parrett	DEQ	Visit
15:10	16:30	Mike Fey	Wilder	Visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	6	
Dynapac CC122 12 Roller	0	
Case 586G Forklift	2	used by Willamette Fence Co.
Water Truck	0	Taken off site
CAT 140G Grader	0	Taken off site
CAT CS-563 roller	0	Taken off site
CAT AP-1055B Paving Machine	0	Taken off site
Ingersoll-Rand DA-48	0	Taken off site
200 CC Excavator	0	
John Deere 450j bull dozer	4	



ecology and environment, inc.

DAILY FIELD REPORT NO.:

79

Date: 9/13/2005

Day: Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
Wilder delivered an epoxy that was as submitted in serial letter #6.		
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	n/a	
Inspect shoreline (turbidity?)	n/a	
Inspect barge offloading	n/a - barge offloading has ceased	
Inspect stockpiles & stormwater controls	n/a	
WORK COMPLETED		
1. Wilder placed topsoil at the western edge of the support facility area in order to match grade with the pavement. Soil was taken from the ACB topsoil stockpile and placed using the 924G CAT IT. Wilder then used the 450j dozer to grade the material to the appropriate slope.		
2. Wilder continued to work on installing the manhole ladders today. They are planning to use 3" long 1/2" galvanized all thread rod and Powers Fasteners AC55 Plus Adhesive as the epoxy. The holes for all HDPE manholes (A, B, C, and D) were over-drilled by 1/16". The previous 'Redhead concrete anchors' that were installed on MH-A were cut off and new holes were drilled. None of the bolts have been set in epoxy yet. The all thread rod and epoxy are different materials than what was approved by E&E in a response to serial letter #6 (see non-conformance noted section).		
3. Wilder graded the area south of the support facility in order to match grade with the pavement. They used the 450j dozer to move material that was already at the location. Hand tools were used to rake the edges.		
4. Willamette Fence Co. began installing the fence fabric along the northern fence line. They are reusing fence that was removed during earlier construction activities. They also finished installing fence posts in the southwest corner of the property, continued to install fence post tops, tension wire, and tension bars. Two fence posts that were damaged during paving activities were repaired in the support facility area.		
5. Wilder moved the dilute hydrochloric acid that was discovered during earlier drum removal activities from the back of the ABE's treatment system conex box to the hazardous material storage area. The acid was in a blue HDPE 55-gallon drum with the lid askew when it was found. The dilution ratio was marked on the outside of the drum. The acid was transferred to the containment area in 5 gallon buckets. Once the drum was empty it was removed from the conex box and placed into the hazardous containment area. The acid was then placed back into the drum for storage until disposal can be arranged.		
NOTES/ISSUES:		
none		
Prepared By: Field Staff Title:		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 80

Date: 9/14/2005 Day: Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 56 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 67 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 75 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	3	
Willamette Fence Company	5	Fence installation
Northwest Hydro Mulchers	3	Hydroseeding
Munitor	4	ACB removal

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:10	16:30	Kevin Parrett	DEQ	Project meeting
10:00	15:30	Steve Campbell	DEQ	Project meeting
8:10	16:35	Zander Whitman	E&E	Project meeting
10:00	17:15	John Montgomery	E&E	Project meeting
11:00	15:30	Chad Nancarrow	E&E	Project meeting
7:15	16:30	Pat Turina	Wilder	Project meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	8	
John Deere 450j Dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 80

Date: 9/14/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
Wilder replaced the epoxy that did not go through the submittal process with the epoxy (mentioned in report 78 and 79) that was approved for use.		
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes; none was noted.	
Inspect equipment fueling	Yes	
Inspect shoreline (turbidity?)	Yes, no elevated levels were observed.	
Inspect barge offloading	n/a	
Inspect stockpiles & stormwater controls	Yes; no issues observed.	
Other: The shoreline was inspected in the sediment cap repair area. No releases or sheen were observed.		
WORK COMPLETED		
1. Munitor removed debris and cable ends from beach area and moved loose individual ACB to a location at the bottom of the beach access roadway in the northwestern corner of the site.		
2. Wilder used the CAT 924G IT to transport approximately two cubic yards of top soil from the stockpile at the ACB storage area to the retention pond spillway. The top soil was leveled using the 924G IT to neaten the edges of the spillway between the retention pond and the roadway.		
3. Willamette Fence Company continued to install fence fabric. Salvaged fence fabric was staged along the western fence alignment. New fence fabric was installed on the eastern fence segment between the Support Facility and the northern edge of the site, and 1-inch mesh fence fabric was installed on the eastern portion of the Support Facility fence. They also began installing fence fabric along the western edge of the property.		
4. Wilder secured the bolts to the underside of manhole pads MH-A, MH-B, MH-C, and MH-D using Pro-Poxy adhesive. The manhole brackets were attached after the epoxy adhesive cured.		
5. Accord asphalt made repairs to N. Edgewater Avenue. Three areas, each approximately 4-feet by 4-feet, were saw-cut, and hot asphalt was placed and compacted.		
6. Northwest Hydro-Mulchers completed hydroseeding the western bank soil cap area. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Four 1/3 acre batches were mixed for the western bank soil cap areas. The following amounts were used to create 1/3 acre batches: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10 lbs. (PLS) of bank soil cap seed, and fertilizer. Approx 1.4 acres of western bank soil cap were hydroseeded.		



ecology and environment, inc.

DAILY FIELD REPORT NO.: 80

Date: 9/14/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

7. Northwest Hydro-Mulchers completed hydroseeding the area south of the support facilities, and the northeast edge and corner of the property. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank. Three 1/2 acre batches were prepared for the barge soil cap area. The following amounts were used to create 1/2 acre batches: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of liquid humus, 250 lbs. of humic shale, 20 lbs of tackifier, 15 lbs. (pure live seed) of soil cap seed, and approx. 500 lbs. of barge soil supplements. They utilized a fork lift for lifting the totes that hold the supplements so that the contents could be emptied into the mixing tank. NW Hydro-Mulchers will have to return to the site to repair any areas damaged during the remainder of construction, and to hydroseed 1/3 of an acre that is currently still being used as an access road.

8. Wilder removed the temporary fence that lined the western edge of the entrance. The fence is no longer necessary because the new permanent fence was installed.

NOTES/ISSUES:

none

Prepared By: Field Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 81

Date: 9/15/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: <u> x </u>	Morning: <u> 56 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 67 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 75 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
David Evans and Associates	2	Surveying
Willamette Fence Company	5	Fence installation
Munitor	1	NAPL gauging and extraction

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	9	
John Deere 450j Dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 81

Date: 9/15/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none were noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No in water worked today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.
The shoreline was inspected by Munitor. The only sheen observed was under the RR-bridge in a location previously reported.	

WORK COMPLETED

1. Willamette Fence Company continued to install fence fabric. Progress on the west fence included installation of the salvaged material staged yesterday and the delivery of new fence fabric. Continued progress on the S.F. fence included installation of the barbed wire that acts as the anchor for the razor wire along the tall east fence, the removal and connection of the old fence to the new fence, and the installation of the upper bar to the north of the pad.
2. Wilder completed the installation of the manhole ladders. An appropriate metal drill bit was used to drill a half inch diameter hole through the ladder and the strut. The ladder was then removed from the manhole cover and put into place over the manhole. The ladders were then secured to the manholes and the struts were bolted to the ladder with half inch diameter bolts.
3. Wilder removed the granular activated carbon vessels from the back of the ABE's treatment system and placed them in the northwest corner of the Support Facility Pad. Wilder removed these in an attempt to lower the weight enough for movement by easily available equipment. The vessels have water residual and saturated carbon.
4. Wilder blocked the access roads into the Metro property concrete pad and placed a tree to block access to MW-61s.

NOTES/ISSUES:

none

Prepared By: Andrew Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 82

Date: 9/16/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 60 °F	Clean: x
Part Cldy: _____	Midday: 64 °F	Dusty: _____
Overcast: x	Afternoon: 68 °F	Muddy: _____
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Cascade Drilling	2	Video log of well MW-Gs
Willamette Fence Company	5	Fence installation
Munitor	1	NAPL gauging and extraction

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:10 AM	3:00 AM	Heidi Blischke	DEQ	Porewater and sheen sampling
8:30 AM	4:00 AM	Kevin Parrett	DEQ	Pour water and sheen sampling and Upland Cap project assistance

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	1	
John Deere 450j Dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 82

Date: 9/16/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none were noted.
Inspect equipment fueling	Yes
Inspect shoreline (turbidity?)	No in water worked today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.
The shoreline was inspected by Munitor, E&E, and DEQ. A sheen was observed in the embayment near the former bulkhead. Kevin Parrett and Heidi Blischki of DEQ observed the it, and the location was marked with flags.	

WORK COMPLETED
1. Willamette Fence Company continued to install fence fabric. They have installed the fence fabric along the western fenceline. The fence hardware, gates, and barb wire strands have not yet been installed.
2. Wilder replaced the two field trailers into their permanent position on the Support Facility asphalt pad.
3. Wilder used a small, rented dump truck, to remove the bio-bags from the site.
4. Wilder used the 924G IT to pick up and remove trash from the site.
5. Cascade Drilling, Inc. used a down-well camera to assess the condition of well MW-Gs. A bend in the well casing was observed approximately 0 to 5 feet below the ground surface. Furthermore, Cascade Drilling, Inc. welded a lock tab to the monument of well MW-10s, filled the bollards at well MW-18s with grout, and completed the concrete pad around MW-18s.

NOTES/ISSUES:
none

Prepared By: Andrew Murphy

Title: Oversight Supervisor



ecology and environment, inc.

DAILY FIELD REPORT NO.: 83

Date: 9/19/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: <u>x</u>	Morning: <u>50 °F</u>	Clean: <u>x</u>
Part Cldy: <u> </u>	Midday: <u>70 °F</u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u>73 °F</u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Willamette Fence Company	4	Fence installation

VISITORS

Time In	Time Out	Name	Representing	Remarks
12:45 PM	4:50 PM	Heidi Blischke	DEQ	site visit
8:15 AM	10:30 AM	Kevin Parrett	DEQ	site visit
11:50 AM	5:45 PM	Bryan Ciecko	E & E	sampling

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	1	
John Deere 450j Dozer	1	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 83

Date: 9/19/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	n/a	
Inspect equipment (leaks?)	Yes, none were noted.	
Inspect equipment fueling	No equipment fueling took place	
Inspect shoreline (turbidity?)	No in water work occurred today.	
Inspect barge offloading	n/a	
Inspect stockpiles & stormwater controls	Yes, no issues observed.	
WORK COMPLETED		
1. Willamette Fence Company continued to install fence fabric. They have installed the fence fabric along the north edge and west edge of the support facility area. They also modified the fence post in the southwest corner of the support facility in order to install the new gate at the tire wash.		
2. Wilder removed items from one of the conex boxes in an effort to reduce the weight of the box so it can be moved. They used the 924G IT to move the contents of the conex to the northwest corner of the support facility area.		
3. Wilder used the 450j dozer to clean up the gravel roads. They reduced the amount of topsoil that had been tracked across the road that leads through the southern portion of the cap due to a haul road location; they also cleaned up the edge of the western bank road in the northwest corner.		
4. Wilder used a propane torch to heat up the asphalt near the northwest corner of the building and create a path for water to drain through. Drainage from in front of the building has now improved.		
NOTES/ISSUES:		
none		
Prepared By:	Oversight Staff	Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 84

Date: 9/20/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <u> x </u>	Morning: <u> 50 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 68 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 71 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	
Willamette Fence Company	3	Fence installation
DEA	2	Survey
Northwest Hydro-Mulchers	2	Hydro seeding
Sierra Container Services	1	Move conex boxes
Ampere Electric	1	Hook up trailers

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	4	
John Deere 450j Dozer	1	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 84

Date: 9/20/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures

n/a

Inspect equipment (leaks?)

Yes, none were noted.

Inspect equipment fueling

No equipment fueling took place

Inspect shoreline (turbidity?)

No in water work occurred today.

Inspect barge offloading

n/a

Inspect stockpiles & stormwater controls

Yes, no issues observed.

WORK COMPLETED

1. Willamette Fence Company finished installing all the hardware for the site perimeter fence. They have also strung barbwire along the south end and west side of the property. Barbwire along the west side of the property still needs to be secured to the post tops, and barbwire still needs to be strung along the north edge of the property.
2. Sierra Container Services relocated the two conex boxes that were along the eastern edge of the property. The former treatment system conex was moved to west of the hazardous waste containment area, the red storage conex was moved to east of the new shop building. Plywood was placed under the corners of the conex boxes prior to being placed on the asphalt.
3. Wilder utilized the 450j dozer to push the topsoil that had been stockpiled next to the conex boxes into the void that was left once the boxes were moved. Soil was placed up to the fence line and a small berm was created along the edge to match the rest of the eastern edge.
4. Wilder used the 924G CAT IT to remove temporary fence panels in the southeastern corner of the property. The existing gate was removed from the old gate post and temporary placed on the new gate post until the new gate can be installed. The temporary fence panels that are blocking Van Houten were fastened to the temporary gate.
5. DEA was onsite taking survey shots along the edge of the property and western bank.
6. Northwest Hydro-Mulchers completed hydroseeding today. Two batches were prepared, one for repairing areas that had been damaged during continued construction, and one to complete the existing topsoil seeding areas. They utilized a truck equipped with a tank, pump, platform, and cannon to place the hydroseed mix. Water is pumped into the tank from the fire hydrant while the components of the mix are added to the tank, half acre batches were prepared for the repair areas, which were all barge topsoil. The following amounts were used to create the half acre batch for the repair areas: 2000 lbs. of Fertile Fiber, 2.5 gal. of Kiwi Power, 2.5 gal. of Liquid Humus, 10 lbs. of tackifier, 15 lbs (PLS) of Soil Cap seed (1/2 bag), 250 lbs of humic shale (5 bags), and approx. 500 lbs of supplements (1/2 tote). One 1/3 acre batch was mixed for the native soil cap areas. The following amounts were used to create the 1/3 acre batch: 650 lbs. of Mat Fiber, 15 lbs. of tackifier, 10 lbs. (PLS) of soil cap seed, and approx. 275 lbs. of native soil supplements. They utilized the 924G CAT IT to lift the materials onto their hopper platform.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 84

Date: 9/20/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

- 7. Ampere Electric restored power to the support facility trailers.
- 8. Wilder re-connected the water for the decon trailer.
- 9. E&E performed a Davis-Bacon audit on the Willamette Fence Company workers to ensure they are being paid appropriately for their applicable labor group. All audited employees confirmed they were receiving Davis-Bacon wages.

NOTES/ISSUES:

none

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 85

Date: 9/21/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: <u> x </u>	Morning: <u> 52 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 69 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 74 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	0	
Willamette Fence Company	2	Fence installation

VISITORS

Time In	Time Out	Name	Representing	Remarks
3:10 PM	4:30 PM	Kevin Parrett	DEQ	site visit
9:00 AM	10:40 AM	Bryan Ceicko	E&E	sampling

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	0	
John Deere 450j Dozer	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 85

Date: 9/21/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none were noted.
Inspect equipment fueling	No equipment fueling took place
Inspect shoreline (turbidity?)	No in water work occurred today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.

WORK COMPLETED

1. Willamette Fence Co. finished stringing barb wire along the perimeter of the property. They also finished installing hardware and stringing barb wire for the portions of the support facility fence that have fence fabric installed. The south edge of the support area needs to have fabric and barb wire installed, and all gates need to be installed.

NOTES/ISSUES:

none

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 86

Date: 9/22/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: x
Part Cldy:
Overcast:
Rain:
Fog:
Snow:
Other:

Temperature

Morning: 52 °F
Midday: 65 °F
Afternoon: 70 °F

Site Conditions

Clean: x
Dusty:
Muddy:
Other:

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
Willamette Fence Company	4	Fence installation/sign post installation

VISITORS

Time In	Time Out	Name	Representing	Remarks
4:00 PM	4:30 PM	Kevin Parrett	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

924G Cat IT (Integrated Tool-carrier)	6	
John Deere 450j Dozer	0	Taken off site today



ecology and environment, inc.

DAILY FIELD REPORT NO.: 86

Date: 9/22/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, none were noted.
Inspect equipment fueling	No equipment fueling took place
Inspect shoreline (turbidity?)	No in water work occurred today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.

WORK COMPLETED

1. Willamette Fence Co. installed six gates today. They secured the double swing gates to the gate post and then determined the location of the drop rod assembly. Once the drop rod assembly was located a hole was excavated and the rod sleeve was secured in concrete. The gates for the support facility area still need to be installed.
2. Willamette Fence Co. began installing razor wire around the support facility area. The razor wire is being coiled around the top two strands of barb wire and being fastend with clips. Razor wire has been installed along all sides except the southern edge, which still needs fence fabric and barb wire.
3. Willamette Fence Co. began excavating sign post holes. They utilized a bobcat with an auger attachment to dig the bulk of the holes and then hand tools to clean the holes out. Since the depth of the holes exceeds the thickenss of the soil cap E&E staff supervised the excavations to ensure contaminated soil was properly contained. Once two feet of depth was achieved the hole was cleaned out of excess soil and the demarcation fabric was located. Anything below the demarcation fabric was pulled from the hole by auger or hand tools and emptied onto a piece of plywood. Wilder then shoveled the contaminated dirt from the plywood into hazardous waste drums. Once a drum was filled it was placed in the haz. waste containment area. Wilder utilized the 924G CAT IT to move the drums. All 5 foot post holes for the large double-post signs along the bank have been excavated and post set in place, one 4 foot post hole for the small single-post signs has
4. Benjamin Franklin Plumbing installed a new toilet in the decontamination trailer.

NOTES/ISSUES:

none

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 87

Date: 9/23/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather		Temperature		Site Conditions	
Clear:	<u>x</u>	Morning:	<u>52 °F</u>	Clean:	<u>x</u>
Part Cldy:	<u> </u>	Midday:	<u>66 °F</u>	Dusty:	<u> </u>
Overcast:	<u> </u>	Afternoon:	<u>73 °F</u>	Muddy:	<u> </u>
Rain:	<u> </u>			Other:	<u> </u>
Fog:	<u> </u>				
Snow:	<u> </u>				
Other:	<u> </u>				

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder	1	
Willamette Fence Company	5	Fence installation/sign post installation
Ampere Electric	2	Fence Grounding

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	4	
863 Turbo Bobcat	3	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 87

Date: 9/23/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	Yes, hydraulic fluid lines were leaking on the bobcat, the lines were replaced and the hydraulic fluid leak stopped.
Inspect equipment fueling	No equipment fueling took place
Inspect shoreline (turbidity?)	No in water work occurred today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.

WORK COMPLETED

1. Willamette Fence Co. completed the support facility fence. They installed the two gates in the southwest corner of the support area; and installed fence fabric, barbwire, and razor wire along the southern edge. This completes all fencing for the site.
2. Willamette Fence Co. finished digging the sign post holes. Today they used a 863 Turbo Bobcat with an auger attachment to dig the holes more easily than yesterday. Once all the post hole were dug they began setting the post in concrete. All sign post have been set in concrete, this completes the sign post installation.
3. Cascade Drilling inspected MW-Gs and tried to repair the bend in the inner casing without having to cut off the outer casing, but were not able to. They will have to break apart the concrete pad around the base of the well and excavate to the depth of the bend in order to fix the well. They will return next Tuesday to perform the work.
4. Ampere Electric installed three grounding rods, one at each gate post in the southwest corner of the support facility area. The rods were drove into the ground using a grounding rod driver, the grounding wire was then attached to the the rod and base of the gate post. Testing of the fence grounding will occur next week.

NOTES/ISSUES:

none

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 88

Date: 9/26/2005 Day: Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 53 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 65 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 73 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	0	

VISITORS

Time In	Time Out	Name	Representing	Remarks
11:00 AM	3:45 PM	Alexander Whitman	E&E	site inspection
11:45 AM	3:45 AM	Chad Nancarrow	E&E	site inspection
1:00 PM	1:45 PM	John Montgomery	E&E	site inspection
1:00 PM	3:45 AM	Keith Johnson	DEQ	site inspection
1:00 PM	3:45 AM	Nancy Harney	EPA	site inspection
1:00 PM	3:45 AM	Kevin Parrett	DEQ	site inspection
1:00 PM	3:45 AM	Steve Campbell	DEQ	site inspection
1:00 PM	3:45 AM	Heidi Blischke	DEQ	site inspection
1:45 PM	3:45 AM	Vanessa Rayner	E&E	site inspection
1:00 PM	3:45 PM	Jim Peterson	E&E	site inspection

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
924G Cat IT (Integrated Tool-carrier)	0	Removed from site today
863 Turbo Bobcat	0	Removed from site yesterday



ecology and environment, inc.

DAILY FIELD REPORT NO.: 88

Date: 9/26/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	n/a
Inspect equipment fueling	No equipment fueling took place
Inspect shoreline (turbidity?)	No in water work occurred today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.

WORK COMPLETED

1. The joint State-EPA inspection occurred today. Representatives from DEQ and E&E walked the site with Nancy Harney of the EPA to show that construction of the remedial actions has been completed.

NOTES/ISSUES:

none

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 89

Date: 9/27/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: <u> x </u>	Morning: <u> 51 °F </u>	Clean: <u> x </u>
Part Cldy: <u> </u>	Midday: <u> 65 °F </u>	Dusty: <u> </u>
Overcast: <u> </u>	Afternoon: <u> 75 °F </u>	Muddy: <u> </u>
Rain: <u> </u>		Other: <u> </u>
Fog: <u> </u>		
Snow: <u> </u>		
Other: <u> </u>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	0	
Cascade Drilling	2	Repair MW-Gs

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:50 AM	1:30 PM	Alexander Whitman	E&E	Meeting
9:00 AM	11:30 AM	Chad Nancarrow	E&E	Meeting
9:15 AM	11:30 AM	John Montgomery	E&E	Meeting
9:00 AM	11:30 AM	Vanessa Rayner	E&E	Meeting
8:45 AM	11:30 AM	Jim Peterson	E&E	Meeting

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)	MATERIALS DELIVERED TO SITE
No equipment on site	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 89

Date: 9/27/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	n/a
Inspect equipment (leaks?)	n/a
Inspect equipment fueling	No equipment fueling took place
Inspect shoreline (turbidity?)	No in water work occurred today.
Inspect barge offloading	n/a
Inspect stockpiles & stormwater controls	Yes, no issues observed.

WORK COMPLETED

1. Cascade drilling repaired MW-Gs. They had to break away the concrete pad at the base of the well, excavate approximately 1.5', and cut off the outer well casing in order to reach the bend in the well. Once the bend was exposed they removed the upper portion of the well and welded a new section on. After the well was repaired the outer casing was welded back on, the excavation was filled, and a new concrete pad was poured.

NOTES/ISSUES:

1. The under trailer sewer tank has a lower drainage fitting that is leaking. The tank must be pumped out in order to fix it.
2. The water supply into the trailer is inappropriately plumbed with garden hose from the hose spigot outside the Support Facility fence. Wilder's subcontracted plumber has installed an appropriate source connection under the trailer and it was previously attached to the trailer. However, it was determined that the connection was not the supply line into the trailer. For some unknown reason the supply line into the trailer has a hose bib, valve, on it, which is unconventional. This hose bib needs to be removed and the appropriate plumbing hook-up made.
3. Wilder was to remove the eye wash and decontamination shower and replace it in the shop building as part of a change order. The supply line remains outside the fence with no support and no thermal protection. It is a free standing copper pipe.
4. The trailers are not level, which could make the refrigerators and air conditioning not function correctly.

Prepared By: Oversight Staff

Title:



ecology and environment, inc.

DAILY FIELD REPORT NO.: 90

Date: 10/18/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: _____
Part Cldy: x
Overcast: _____
Rain: _____
Fog: _____
Snow: _____
Other: _____

Temperature

Morning: 50 °F
Midday: 58 °F
Afternoon: 68 °F

Site Conditions

Clean: x
Dusty: _____
Muddy: _____
Other: _____

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

CAT 950 F Loader	3
CAT D6N LGP Dozer	0.5
Yanmar 80 All Track	0

MATERIALS DELIVERED TO SITE

124.22 Tons of 1.5" minus rock for access road



ecology and environment, inc.

DAILY FIELD REPORT NO.: 90

Date: 10/18/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	not applicable
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	not applicable
Other	

WORK COMPLETED

1. Wilder removed a 20 foot section of fence in the north east corner of the property. Barb wire and fencing fabric were disassembled by hand, and the fence post were removed using the CAT Dozer. Temporary fence panels were placed as a gate until a new gate is installed at the end of the change order work.
2. Wilder constructed a gravel access road through the north east corner of the property. The road begins at the new gate in the NE corner and ties into the existing gravel road west of the support facility area. Four truck loads of material equal to 124.22 tons were used to construct the road. The road is approximately 500 feet long, 10 feet wide, and 6 inches deep. The CAT Loader was used to place the gravel.
3. Wilder gathered supplies and observed the afternoon low tide to determine what water levels they will be placing material in.

NOTES/ISSUES:

none

Prepared By: L. Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 91

Date: 10/19/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: _____
Part Cldy: _____
Overcast: x
Rain: x
Fog: _____
Snow: _____
Other: _____

Temperature

Morning: 51 °F
Midday: 58 °F
Afternoon: 67 °F

Site Conditions

Clean: _____
Dusty: _____
Muddy: x
Other: _____

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	2	

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

CAT 950 F Loader	1.5
CAT D6N LGP Dozer	2
Yanmar 80 All Track	0
Yanmar 80 All Track	0

MATERIALS DELIVERED TO SITE

621 tons of Sand
approximately 64 tons of 1.5" minus gravel.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 91

Date: 10/19/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	not applicable
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	not applicable
Other	

WORK COMPLETED

Wilder imported 621 tons of sand and stockpiled it along the shoreline, above where the mats will be placed. They utilized the D6N Dozer to maintain the stockpile. Sand was brought in by highway trucks, which had problems with the muddy site conditions. Wilder had to scrape off the top layer of topsoil at two of the gate entrances in order to create a stable surface for the highway trucks. Two additional truck loads of gravel were delivered to site and were also used to create a stable surface for the highway trucks.

Wilder staked out the corners of the organoclay mat footprint to use as an in water guide for spreading sand.

NOTES/ISSUES:

none

Prepared By: L. Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 92

Date: 10/20/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather		Temperature		Site Conditions	
Clear:	_____	Morning:	52 °F	Clean:	_____
Part Cldy:	_____	Midday:	58 °F	Dusty:	_____
Overcast:	x	Afternoon:	66 °F	Muddy:	x
Rain:	x			Other:	_____
Fog:	_____				
Snow:	_____				
Other:	_____				

CONTRACTOR(S)/SUBCONTRACTOR(S)		
Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	

VISITORS				
Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
CAT 950 F Loader	5.5	647.61 tons of sand
CAT D6N LGP Dozer	5	
Yanmar 80 All Track	5.5	
Yanmar 80 All Track	3	
Deere 120C Excavator	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 92

Date: 10/20/2005 **Day:** Thursday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	Yes, turbidity in the immediate work area, but it did not travel.
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	Yes, no issues noted.
Other	

WORK COMPLETED
Wilder continued to import sand by highway truck. Once the trucks unloaded the sand at the bank it was transferred to two Yanmar all-tracks by a CAT Loader, and dumped along the shore line. Prior to spreading sand in water E&E identified locations with ridges in the rock armoring and Wilder used the Dozer to smooth the ground surface. The CAT Dozer was used to spread the sand to a thickness of approximately 6 inches. After sand was placed E&E verified surface conditions by walking over newly placed sand and testing the depth at various locations. More sand needs to be placed over an area of approximately 900 sq. ft. prior to mats being placed.

NOTES/ISSUES:
none

Prepared By: L. Kennard	Title: Oversight staff
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ecology and environment, inc.

DAILY FIELD REPORT NO.: 93

Date: 10/21/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 51 °F	Clean: <input type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 57 °F	Dusty: <input type="checkbox"/>
Overcast: <input checked="" type="checkbox"/>	Afternoon: 68 °F	Muddy: <input checked="" type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input checked="" type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	7	4 crew members all day, 3 crew members half day

VISITORS

Time In	Time Out	Name	Representing	Remarks
7:55	3:45	Heidi Blischke	DEQ	site visit
1:45	4:15	Steve Campbell	DEQ	site visit
1:15	4:50	Mike Fey	Wilder	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
CAT 950 F Loader	5.5	approx. 358 tons of sand
CAT D6N LGP Dozer	3	374 tons of biotic rock
Yanmar 80 All Track	4.5	
Yanmar 80 All Track	2	
Deere 120C Excavator	4.5	
VR-843 Ingersoll-Rand Highlift	2	Was delivered to site mid-day yesterday



ecology and environment, inc.

DAILY FIELD REPORT NO.: 93

Date: 10/21/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED

WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED

WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING

CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS

Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	Yes, turbidity observed in the immediate work area, but it did not travel.
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	Yes, no issues noted.
Other	

WORK COMPLETED

1. Wilder unloaded 23 rolls of CETCO Organo Clay Mats. The mats were delivered via highway truck and off loaded in the support facility compound. Wilder used the highlift to pull the mats out of the truck by slings that are wrapped around them. After the truck was unloaded Wilder used the Loader and one all-track to transport six of the rolls to the cap repair area.
2. Wilder completed the 6" base layer of sand. Seven Yanmar all-track loads (approx. 56 cu. Yd.) were placed in addition to the sand placed yesterday. After sand was placed E&E visually inspected the area to ensure sufficient coverage. Wilder used the CAT Loader to place the sand into the Yanmar all-track, and the CAT Dozer to spread the sand in water once the all-track deposited it.
3. Wilder received the spreader bar which Advanced American Construction (AAC) had been using to install their CETCO Organo Clay Mats. The bar was brought to shore by AAC and Wilder used the Excavator to off load the bar and transport it to the cap repair area.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 93

Date: 10/21/2005 **Day:** Friday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

WORK COMPLETED (Continued)

4. Wilder began installing the Organo Clay mats. They began at the north end of the cap repair area and installed the mats perpendicular to the shore. Wilder utilized the Excavator with the spreader bar to bring the mats to the location where they were placed. The starting edge of the mat was pulled until it lined up with the outer edge of the repair area and held in place by 2-3 people. The excavator slowly backed up towards shore, unrolling the mat. It was necessary to have one person controlling the speed at which the mat unrolled to ensure the appropriate length was deployed. The length of mat running perpendicular to the shore is approx. 60 feet. For the first two rolls that were installed the mats were laid to a length of approx. 60 feet and the excess 40 feet was folded back over itself at a slight angle. When the third mat was placed it was decided to cut the excess 40 feet and overlap it centered along the 60 foot section. This ensures the seep areas have double coverage. The material is also easier to handle in this fashion, so it was decided to continue this pattern for the remainder of the mats. Each length of mat was overlapped by 2 feet .

5. Wilder roughly placed the final 1' of sand over the 6 mats that have been installed to date. They utilized the CAT Loader to place sand into the two Yanmar all-tracks and the dozer to spread the sand over the mats once the all-tracks deposited it. The sand was placed from the shore outward toward the river so that no equipment had to drive directly on the mats.

NOTES/ISSUES:

1. When I arrived at the site at 7:15 there was a train parked across N. Edgewater. Mike, Don, Terry, and Brian of Wilder; Mark of Munitor; the delivery truck containing the CETCO mats; and Vanessa of E&E were all blocked by the train when I arrived. Don had to call Morse Bros. and delay delivery of materials due to the train. I was not able to contact anyone by phone, but at 8:00 the train was moved and work proceeded for the day.

Prepared By: L. Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 94

Date: 10/22/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather

Clear: x
Part Cldy:
Overcast:
Rain:
Fog: x
Snow:
Other:

Temperature

Morning: 51 °F
Midday: 58 °F
Afternoon: 62 °F

Site Conditions

Clean: x
Dusty:
Muddy:
Other:

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	
Fred Divine Diving	3	Wilder laborers

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:30	1:30	Heidi Blischke	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

CAT 950 F Loader	5	
CAT D6N LGP Dozer	6	
Yanmar 80 All Track	1	
Yanmar 80 All Track	7	
Deere 120C Excavator	9	
VR-843 Ingersoll-Rand Highlift	2	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 94

Date: 10/22/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	Yes, turbidity observed in the immediate work area, but it did not extend beyond 10 to 15 feet past immediate area.
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	Yes, no issues noted.
Other	

WORK COMPLETED
1. Wilder transported the remaining 17 rolls of CETCO Mats to the river and staged them along the shore in the approximate location of where they would be placed. They used the excavator, one all-track, and highlift to transport the mats.
2. Wilder placed approximately two to four all-track loads of biotic rock over the sand that was deployed yesterday.
3. Wilder and the Fred Devine Divers began installing the Organo Clay mats, beginning from the north end of the repair area where they had left off yesterday, and installed the mats perpendicular to the shore. The Excavator with the spreader bar was used to deploy the mats. The starting edge of the mat was pulled until it lined up with the outer edge of the repair area and held in place by 2-3 people. The excavator slowly backed up towards shore, unrolling the mat. It was necessary to have one person controlling the speed at which the mat unrolled to ensure the appropriate length was placed. An approximately 60 foot length of mat was placed perpendicular to the shore at each section. Sections were overlapped by two feet. The remaining 40 feet of mat from each roll was deployed over top of the 60 foot sections (again with two foot overlap), with shoreward ends lined up, resulting in double mat coverage along the 40 foot shoreward area, and single mat coverage along the riverward area. The last mat section was placed and lined up approximately on the 300 foot markers for the repair area.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 94

Date: 10/22/2005 **Day:** Saturday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

4. Wilder began placing sand over the organoclay mats, using the CAT Loader to place sand into the one Yanmar all-track, with the dozer spreading the sand over the mats once the all-tracks deposited it. The sand was placed from the shore outward toward the river so that no equipment had to drive directly on the mats. From approximately 14:00 to 16:00 strong outgoing tide, along with boat wakes, caused edges of mats to drift. The divers and I had to shift mats to keep them in place. Current ceased at low slack tide, however, second all-track began moving sand and the dozer began pushing larger sand piles at a faster rate, and I had to stay in front of the dozer to ensure that wrinkles did not form, and create gaps between panels. By 18:30, all mat panels had some sand on them, and daylight was waning, so I decided to ask Wilder to cease sand placement because (1) would be unsafe to continue with any less light, and (2) it became more difficult to ensure that the dozer did not cause gaps between panels while pushing sand. Full sand coverage will be conducted tomorrow.

NOTES/ISSUES:

none

Prepared By: J. Petersen

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 95

Date: 10/23/2005 **Day:** Sunday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: 50 °F	Clean: x
Part Cldy: _____	Midday: 58 °F	Dusty: _____
Overcast: _____	Afternoon: - °F	Muddy: _____
Rain: _____		Other: _____
Fog: x		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	Worked from 8:30 to 11:00

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:45	10:30	Heidi Blischke	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

CAT 950 F Loader	3	
CAT D6N LGP Dozer	3	
Yanmar 80 All Track	3	
Yanmar 80 All Track	3	
Deere 120C Excavator	0	
VR-843 Ingersoll-Rand Highlift	0.5	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 95

Date: 10/23/2005 **Day:** Sunday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	Yes, turbidity observed in the immediate work area, but it did not extend beyond 10 to 15 feet past immediate area. Sheen was observed at the south end of mat placement, the tide was very low. The area will be carefully watched at low tide tomorrow to try and identify the source.
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	Yes, no issues noted.
Other	

WORK COMPLETED

1. Wilder continued to place the remaining stockpiled sand and thinned out areas of sand cap identified to be too thick. The stockpiled sand was loaded into the Yanmar all-tracks by Loader and then spread using the CAT Dozer. E&E used a probing stick with a one-foot increments marked to verify the depth of sand, when areas of sand were found to be too thick the Dozer was used to push the excess into areas that were thin. Approximately 75 sq. yd. of area still needs to be covered with sand. Don of Wilder will be calling Glacier on Monday to discuss the amount of sand that has been delivered to date because there is a discrepancy in Wilders total of what has been delivered and Glaciers total of what has been delivered (see Note 1).
2. Wilder used the Loader, two Yanmar all-tracks, and the CAT Dozer to place the 4" biotic rock layer over the areas that have 1' of sand completed. The rock placement was initially installed too thick, so E&E had Wilder make several more passes with the Dozer to reach the appropriate 4" thickness. While rock placement was occurring the tide was coming in very quickly. Work ceased because Wilder could not see how thick the rock placement was occurring with water covering the cap. The majority of rock was placed. A section of approximately 400 sq. ft., plus the areas that do not have sand yet still need to be covered by biotic rock.



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DAILY FIELD REPORT NO.: 95

Date: 10/23/2005 **Day:** Sunday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NOTES/ISSUES:

1. According to the last weigh tickets of the day 1627 tons of sand has been delivered, however there are duplicate tickets totaling 128.81 tons which need to be sorted out. At a minimum we still need 45 tons delivered to meet the 1800 tons ordered. If this is the case we will have to order an additional 2-3 truck loads of sand. If the weigh total of 1627 tons is correct no additional trucks will be needed.

Prepared By: L.Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 96

Date: 10/24/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: <input checked="" type="checkbox"/>	Morning: 50 °F	Clean: <input checked="" type="checkbox"/>
Part Cldy: <input type="checkbox"/>	Midday: 58 °F	Dusty: <input type="checkbox"/>
Overcast: <input type="checkbox"/>	Afternoon: 66 °F	Muddy: <input type="checkbox"/>
Rain: <input type="checkbox"/>		Other: <input type="checkbox"/>
Fog: <input checked="" type="checkbox"/>		
Snow: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:45	10:30	Heidi Blischke	DEQ	site visit
9:30	1:00	Steve Campbell	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
CAT 950 F Loader	7.5	587.65 tons of 10" (MBI Jaw Run)
CAT D6N LGP Dozer	1	197.84 tons of sand
Yanmar 80 All Track	5.5	
Yanmar 80 All Track	0.5	
Deere 120C Excavator	2	
VR-843 Ingersoll-Rand Highlift	0	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 96

Date: 10/24/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS	
Inspect erosion control measures	not applicable	
Inspect equipment (leaks?)	Yes, none noted.	
Inspect equipment fueling	not applicable	
Inspect shoreline (turbidity?)	Yes, turbidity observed in the immediate work area, but it did not extend beyond 10 to 15 feet past immediate area. Sheen was again observed south of the cap repair area, the origin of the seep was identified. See Work Completed #4 below for actions taken.	
Inspect barge offloading	not applicable	
Inspect stockpiles & stormwater controls	Yes, no issues noted.	
Other		
WORK COMPLETED		
1. Wilder placed piles of 4" biotic rock along the edges of cap repair areas that still need sand. This was done so that once the sand is placed Wilder can quickly spread the 4" biotic rock. They utilized two Yanmar all-tracks to transport the biotic rock, and the CAT Loader to fill the all-tracks.		
2. Wilder began importing and placing the 10" minus rock. The rock was brought in by highway truck and staged at the top of the bank. The CAT Loader was used to fill one Yanmar all-track, and the excavator was used to place the rock to the appropriate 1' thickness. Wilder completed installing 10" minus rock in all areas that have the 1' top layer of sand.		
3. Wilder continued to import sand. The first two truck loads of sand were used for additional cap repair work requested by Heidi and Steve of DEQ (see Work Completed #4). The remaining loads of sand were stockpiled for use in the areas of the cap repair area that still need sand. Since only one truck was delivering sand to the site at a 1 hour interval it was decided it would be more efficient to have only one person from Wilder on-site to stockpile the sand as it arrived. With the sand stockpiled Wilder will be able to quickly place it tomorrow without having to have staff waiting for sand trucks.		



ecology and environment, inc.

DAILY FIELD REPORT NO.:

96

Date: 10/24/2005

Day: Monday

Project Title: McCormick and Baxter Upland Cap

Client: ODEQ

E & E Project No.: 002688.OY21.25.03

WORK COMPLETED (Completed)

4. An additional seep was noted south of the current cap repair area. At low tide the sheen could be seen coating rocks upshore of the water and bubbling out of a pathway. Heidi and Steve of DEQ were onsite and observed the releases, they decided they would like to cap the area using CETCO mats that had not been covered with a final layer of sand yet. Two sections of mat were cut from the southeast corner of the current cap repair area. The two sections represent a 15 by 18 foot section, and were layered on top of each other during original deployment. Wilder began the additional repair by placing a 6" bedding layer of sand using the CAT Dozer, they then dragged the two sections of mat from the original repair area and placed them over the new seep. A section of mat measuring 15 by 12 feet was placed centered over the observed sheen release point, it was placed so that 15 feet of it ran parallel to the shore. The second piece of mat measuring 18 by 15 feet was overlapped with the first piece by 2 feet and deployed so that it ran 18 feet perpendicular to the shore. After the mats were put in place Wilder placed approximately 1' of sand on top of them. They used the CAT Dozer, Loader, and Yanmar all-track to place the sand. One all-track load of biotic rock was placed on top of the patch area to provide armoring for the sand overnight. Wilder and E&E will inspect the area tomorrow at low tide to ensure all of the mats have proper coverage before the final layers of rock are installed.

5. Wilder used the excavator to begin repairing the bank areas that have been damaged by delivery truck. They started by repairing the bank near the north access road through the cap area since this gate is no longer being used for highway trucks.

NOTES/ISSUES:

none

Prepared By: L.Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 97

Date: 10/25/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: x
Part Cldy: _____	Midday: 55 °F	Dusty: _____
Overcast: x	Afternoon: 61 °F	Muddy: _____
Rain: x		Other: _____
Fog: x		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	
Willamette Fence Company	2	Install new gate post

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:40	4:45	Kevin Parrett	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)		MATERIALS DELIVERED TO SITE
CAT 950 F Loader	9	431.27 tons of 10" minus
CAT D6N LGP Dozer	2	32.52 tons of sand
Yanmar 80 All Track	9	
Yanmar 80 All Track	1.5	
Deere 120C Excavator	8.5	
VR-843 Ingersoll-Rand Highlift	0	removed from site



ecology and environment, inc.

DAILY FIELD REPORT NO.: 97

Date: 10/25/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	Yes, turbidity observed in the immediate work area, but it did not extend beyond 10 to 15 feet past immediate area. Sheen observed along bank from approx. dolphin/pilings to north edge of cap repair area. See Notes and Issues #1
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	Yes, no issues noted.
Other	

WORK COMPLETED

1. Wilder completed installation of the final 1' sand layer. They utilized the CAT Loader, two all-tracks, and the CAT dozer to place the sand. The sand was placed in an area of approx 40 by 40 feet at the north end of the cap area, at the southeast corner of the cap repair area, and on the small new cap area installed yesterday.
2. After the final 1' of sand was installed Wilder finished installing the 4" layer of biotic rock for the original cap area and the small additional cap area. They utilized the CAT Loader, one all-track, and the CAT dozer to place the biotic rock. The area at the base of the bank access road did not receive biotic rock because the equipment would have pushed the rock through the sand layer while using the area as access to other parts of the cap. DEQ decided there was enough small diameter rock mixed with the 10" rock that only 10" minus would be necessary in this area.
3. Wilder completed installation of the 10" minus rock for the original cap area and the small additional cap area. They utilized the CAT Loader, 1-2 all-tracks, and the excavator to place the material. The all-tracks would dump the material in areas directed by the excavator operator and then the excavator was used to knock the piles down to the appropriate thickness of 12". Along the bank edge of the cap area the 10" minus rock was blended into the bank; the 10" minus rock was placed beyond the edges of the cap area along all other edges to armor them against erosion.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 97

Date: 10/25/2005 **Day:** Tuesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

4. Wilder began restoring the areas of bank that were disturbed by construction. DEQ decided to keep the sand access road that leads down the bank for possible future construction activities. Areas of the road that had a thick layer of sand were thinned out and the sand was placed on areas that only had thin coverage. This was done utilizing the CAT Dozer and Deere Excavator. Wilder then used the excavator and dozer to gather excess 10" and biotic rock. The material was placed at the top of the down bank access road and will be pushed down with the dozer. This is being done to remove the rock from the top of the bank and to provide stability for the road to support future construction equipment. Wilder also used the excavator to scrape the top surface of the rock staging area to remove any additional biotic rock that was mixed with the bank soil, and to remove mud that has been tracked onto the gravel road that runs parallel to the bank. This material will be used to fill areas down bank where the TRM has been exposed.

5. Willamette Fence Company installed two new 4" diameter fence post for the new gate that will be located in the northeast corner of the property. Due to the location of the power poles at that corner of the property the gate will be slightly angled, and will be 19 feet wide. Willamette Fence Company were also notified of the area near the south gate and near the northwest corner where there is a large gap under the fence fabric. They will repair these areas when they return to install the gate.

NOTES/ISSUES:

1. Sheen was observed along the bank from the dolphin/pilings to the north edge of the cap area. The sheen was a milky iridescent color and had very little odor. No source was identified, it appeared that the sheen was being blown toward the shore and gathering.

Prepared By: L.Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 98

Date: 10/26/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

Weather	Temperature	Site Conditions
Clear: _____	Morning: 50 °F	Clean: x
Part Cldy: x	Midday: 54 °F	Dusty: _____
Overcast: x	Afternoon: 66 °F	Muddy: _____
Rain: _____		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
Wilder	4	

VISITORS

Time In	Time Out	Name	Representing	Remarks
8:30	2:45	Kevin Parrett	DEQ	site visit

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE

CAT 950 F Loader	7	
CAT D6N LGP Dozer	3	
Yanmar 80 All Track	0	called off rent yesterday
Yanmar 80 All Track	0	called off rent yesterday
Deere 120C Excavator	8	



ecology and environment, inc.

DAILY FIELD REPORT NO.: 98

Date: 10/26/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED	WHO WAS NOTIFIED?

SAFETY CONCERNS NOTED	WHO WAS NOTIFIED?

ENVIRONMENTAL MONITORING	CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable
Inspect equipment (leaks?)	Yes, none noted.
Inspect equipment fueling	not applicable
Inspect shoreline (turbidity?)	No in water work occurred today. The shore line was inspected for sheen and a few small spots were noted. No source was identified and sheen had little odor.
Inspect barge offloading	not applicable
Inspect stockpiles & stormwater controls	not applicable
Other	

WORK COMPLETED

1. Wilder completed restoration of the areas disturbed while performing CO #9. To restore the down bank areas they used the excavator, and dozer. They used the dozer to continue pushing the mixed rock/sand/dirt mixture down the bank along the sand access road. Exposed TRM fabric was covered using material that was scraped off of the rock staging area at the top of the bank, which contained a mixture of mostly biotic rock and topsoil. Wilder used the excavator to place the material over the TRM. The down bank area will be hydroseeded next week.
2. Wilder utilized the excavator, loader, and dozer to repair the disturbed areas at the top of the bank. They used a portion of the excess topsoil/rock mixture to fill in a low spot that was created near the gate with access to the road that leads through the northern part of the cap area. They then used the excavator to place the material to grade and repair the grade of the bank between the two access road gates. This area had been disturbed by highway trucks that were too wide for the gravel road. Areas that were used as stockpile locations were mixed well with the existing topsoil and then the grade was made to match the original grade as best as possible. Wilder scraped as much material as possible off the gravel road, however some material is still on the road because it would cause more damage to try and remove it all. After the bank was reshaped, Wilder placed gravel at the gate exits to restore the turning radius. The whole disturbed bank area will be hydroseeded next week.



ecology and environment, inc.

DAILY FIELD REPORT NO.: 98

Date: 10/26/2005 **Day:** Wednesday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

WORK COMPLETED (Continued)

3. Wilder repaired the gravel access road that leads through the southern portion of the cap by back dragging it with the loader and dozer in order to break up the layer of dirt that had been deposited by the highway trucks. In areas that had a large amount of dirt more gravel was placed after the area was back dragged. At corners where highway trucks left ruts in the mud the dozer was used to track over the ruts and push the soil back into place. Ruts that were created within the gravel roads were repaired by placing additional gravel to bring the road back to grade. Areas along the gravel roads that were significantly disturbed will be hydroseeded next week.

4. DEQ decided to leave the new access road that leads through the northeast corner of the property. Areas of this road that experienced pumping were repaired by taking the displaced material and spreading it back over the road. The whole road was then back dragged by the loader in order to break up any layers of dirt that had collected on the surface, and to even out any tire ruts that had been formed. Additional gravel was added where the road enters at the northeast corner of the property. Willamette Fence Company will return at a later date to install the new gate.

5. Wilder put the ecology blocks at the entrance to the Metro property back in place using the excavator.

NOTES/ISSUES:

none

Prepared By: L.Kennard

Title: Oversight staff



ecology and environment, inc.

DAILY FIELD REPORT NO.: 99

Date: 10/31/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

<u>Weather</u>	<u>Temperature</u>	<u>Site Conditions</u>
Clear: _____	Morning: 50 °f	Clean: _____
Part Cldy: _____	Midday: 50 °F	Dusty: _____
Overcast: _____	Afternoon: 52 °F	Muddy: x
Rain: x		Other: _____
Fog: _____		
Snow: _____		
Other: _____		

CONTRACTOR(S)/SUBCONTRACTOR(S)

Contractor/Subcontractor	Crew Size	Remarks
North West Hydromulchers	3	

VISITORS

Time In	Time Out	Name	Representing	Remarks

MAJOR EQUIPMENT ON SITE & USAGE (HRS.)

MATERIALS DELIVERED TO SITE



ecology and environment, inc.

DAILY FIELD REPORT NO.: 99

Date: 10/31/2005 **Day:** Monday

Project Title: McCormick and Baxter Upland Cap
E & E Project No.: 002688.OY21.25.03

Client: ODEQ

NONCONFORMANCES NOTED		WHO WAS NOTIFIED?
SAFETY CONCERNS NOTED		WHO WAS NOTIFIED?
ENVIRONMENTAL MONITORING		CONCERNS NOTED, COMMENTS, AND NOTIFICATIONS
Inspect erosion control measures	not applicable	
Inspect equipment (leaks?)	not applicable	
Inspect equipment fueling	not applicable	
Inspect shoreline (turbidity?)	No in water work occurred today. No sheen was observed today	
Inspect barge offloading	not applicable	
Inspect stockpiles & stormwater controls	not applicable	
Other		
WORK COMPLETED		
1. Northwest Hydromulchers returned today to hydroseed areas that had been disturbed during cap repair activities. They used a small mixing tank (1/4 acre) to make 4 batches. The batches were spread over the down bank area that provided access to the water, along the top of the bank between the two access gates on the west side of the property, and along the gravel road corners that had been disturbed. The batches consisted of approx. 23 lbs of seed, 75 lbs. of 16-16-16 fertilizer, 500 lbs. of mat fiber, and 15 lbs. of tackifier. Application was done by attaching a hose to the spray nozzle of the truck and walking along the bank to ensure even coverage.		
NOTES/ISSUES:		
none		
Prepared By: L.Kennard		Title: Oversight staff



Photodocumentation

PHOTOGRAPH IDENTIFICATION SHEET					
McCormick & Baxter Barrier Wall Construction					
Project No. 002688.OY21.29.03					
Photo No.	Date	Time	By	Direction	Description
1	6/08/05	13:53	LK	S	Subgrade preparation along eastern edge of property.
2	6/10/05	12:50	LK	NE	Subgrade grading and cut/fill near NE corner of property.
3	6/16/05	7:52	LK	W	Subgrade activities for the impermeable cap.
4	6/16/05	8:00	LK	NW	Placement of large woody debris along the top of bank.
5	6/22/05	15:36	LK	SW	Subgrade activities at the future retention pond location.
6	6/23/05	11:16	LK	E	Wood chipping clearing/grubbing materials.
7	6/21/05	8:01	LK	SW	Clearing bank on Metro property for barge off-loading.
8	6/08/05	14:20	LK	SW	Manhole D with a partially installed pipe to Manhole E.
9	6/10/05	10:56	LK	Down	Applying grease to the ends of conveyance piping prior to coupling.
10	6/08/05	16:18	LK	E	Welding apparatus used for joining HDPE smooth wall interior conveyance pipe sections.
11	6/13/05	9:23	LK	Down	Excavator used to slide the smooth wall interior conveyance piping into the outer corrugated piping.
12	6/14/05	9:40	LK	W	Installation of Manhole E.
13	6/16/05	9:51	LK	NE	Form for concrete outfall structure being constructed.
14	7/19/05	18:05	LK	E	Outfall structure and 12" minus rock below the outfall.
15	6/16/05	7:41	LK	SE	Cascade Drilling performing well extensions.
16	6/21/05	13:02	LK	SE	Cascade Drilling installing MW-1r.
17	6/27/05	11:59	LK	SW	Sand being loaded into the hopper from the barge.
18	6/28/05	15:50	LK	NW	Placing the leveling sand layer.
19	6/30/05	14:42	LK	NW	Rough placement of sand leveling layer nearly completed.
20	6/29/05	10:35	LK	N	Haul road of clean topsoil being spread over demarcation fabric.
21	6/30/05	14:51	LK	SW	Topsoil from the existing stockpile being spread out over demarcation fabric.
22	7/06/05	7:35	LK	W	First panel of geomembrane being installed along the north end of the impermeable cap footprint.
23	7/11/05	7:12	LK	SE	Geomembrane being deployed utilizing a roller.
24	7/06/05	15:07	LK	NW	Welding geomembrane panels with wedge welding machine.
25	7/16/05	16:06	LK	E	Installation of boot around Manhole B.
26	7/20/05	17:42	LK	Down	Boot and clamp installed on monitoring well.
27	7/07/05	9:20	LK	Down	Air pressure testing geomembrane seam.
28	7/12/05	9:33	LK	S	Vacuum testing geomembrane patch.
29	7/08/05	11:16	LK	NW	Overview of site with completed leveling layer and

PHOTOGRAPH IDENTIFICATION SHEET					
McCormick & Baxter Barrier Wall Construction					
Project No. 002688.OY21.29.03					
Photo No.	Date	Time	By	Direction	Description
					partial installation of geomembrane.
30	7/15/05	11:30	LK	W	Seams of geocomposite zip-tied together (left), and seams after they've been heat-tacked (right).
31	7/29/05	8:31	LK	E	Butt seam of geocompostie zip-tied together.
32	7/25/05	12:21	LK	N	Overview of site showing four layers of impermeable cap. Starting from the foreground: sand leveling layer, geomembrane layer, geocomposite layer, and drainage sand layer.
33	7/27/05	14:26	LK	NW	Placement of the drainage sand layer.
34	7/29/05	7:46	LK	E	Placement of 4" minus biotic rock.
35	8/02/05	12:50	LK	NW	Overview of site showing three layers of impermeable cap. Starting from the foreground: geocomposite layer, drainage sand layer, and 4" minus biotic rock layer.
36	8/12/05	11:39	LK	W	Overview of site showing biotic rock layer and overlying geotextile layer.
37	8/17/05	7:49	LK	W	Placement of gravel for access road across the impermeable cap.
38	8/19/05	7:47	LK	W	Topsoil unloaded from barge with conveyor.
39	8/16/05	11:37	LK	NW	Topsoil being placed over geotextile within the impermeable cap footprint.
40	8/18/05	14:04	LK	NW	Overview of site showing three layers of impermeable cap. Starting from the foreground: 4"minus biotic rock, geotextile, and topsoil.
41	8/31/05	8:33	LK	NW	Topsoil placement complete over the impermeable cap footprint.
42	8/17/05	14:04	LK	S	Deploying erosion control netting along the swale area.
43	9/02/05	9:07	LK	E	Erosion control netting installed around pond spillway.
44	8/16/05	8:10	LK	N	Gravel road along top of the bank.
45	8/31/05	8:47	LK	W	Willamette Fence Co. digging post holes.
46	9/26/05	7:56	LK	W	New fencing and gates installed in the south corner of support facility area.
47	8/31/05	10:51	LK	NW	Materials for hydroseeding arriving on-site.
48	9/06/05	11:10	LK	E	Placing mineral supplements into hydroseeding mixing tank.
49	9/06/05	10:30	LK	N	Applying hydroseed on the impermeable cap topsoil.
50	9/09/05	8:04	LK	NW	Applying compost prior to hydroseeding on bank areas disturbed during construction.
51	9/10/05	10:33	LK	NW	Paving of the support facility pad.
52	9/14/05	10:37	LK	N	Applying epoxy into holes of manhole pad for connection to ladders.

PHOTOGRAPH IDENTIFICATION SHEET					
McCormick & Baxter Barrier Wall Construction					
Project No. 002688.OY21.29.03					
Photo No.	Date	Time	By	Direction	Description
53	8/10/05	10:57	LK	W	Completed test patch of organoclay mats.
54	10/21/05	13:37	LK	NW	Deployment of organoclay mats utilizing an excavator and spreader bar for large organoclay patch.
55	10/22/05	16:19	LK	W	Covering organoclay mats with a 12" layer of sand.
56	10/25/05	10:24	LK	NW	Placing 10" minus rock over organoclay mat area.
57	10/25/05	15:16	LK	W	Completed organoclay mat patch.
58	11/08/05	13:25	LK	NW	Overview of completed site.

Key:

No. = Number
 LK = Lenna Kennard
 N = North
 NE = Northeast
 NW = Northwest
 S = South
 SE = Southeast
 SW = Southwest
 E = East
 W = West



Photo 1 Subgrade preparation along eastern edge of property.



Photo 2 Subgrade grading and cut/fill near NE corner of property.



Photo 3 Subgrade activities for the impermeable cap.



Photo 4 Placement of large woody debris along the top of bank.



Photo 5 Subgrade activities at the future retention pond location.



Photo 6 Wood chipping clearing/grubbing materials.



Photo 7 Clearing bank on Metro property for barge off-loading.



06.08.2005 14:20

Photo 8 Manhole D with a partially installed pipe to Manhole E.



06.10.2005 10:56

Photo 9 Applying grease to the ends of conveyance piping prior to coupling.



06.08.2005 16:18

Photo 10 Welding apparatus used for joining HDPE smooth wall interior conveyance pipe sections.



06.13.2005 09:23

Photo 11 Excavator used to slide the smooth wall interior conveyance piping into the outer corrugated piping.



06.14.2005 09:40

Photo 12 Installation of Manhole E.



06.16.2005 09:51

Photo 13 Form for concrete outfall structure being constructed.



07.19.2005 06:35

Photo 14 Outfall structure and 12" minus rock below the outfall.



Photo 15 Cascade Drilling performing well extensions.



Photo16 Cascade Drilling installing MW-1r.



Photo 17 Sand being loaded into the hopper from the barge.



Photo 18 Placing the leveling sand layer.



Photo 19 Rough placement of sand leveling layer nearly completed.



06.29.2005 10:35

Photo 20 Haul road of clean topsoil being spread over demarcation fabric.



06.30.2005 14:51

Photo 21 Topsoil from the existing stockpile being spread out over demarcation fabric.



07.06.2005 07:35

Photo 22 First panel of geomembrane being installed along the north end of the impermeable cap footprint.



07.11.2005 07:12

Photo 23 Geomembrane being deployed utilizing a roller.



Photo 24 Welding geomembrane panels with wedge welding machine.



Photo 25 Installation of boot around Manhole B.



Photo 26 Boot and clamp installed on monitoring well.



Photo 27 Air pressure testing geomembrane seam.



Photo 28 Vacuum testing geomembrane patch.



Photo 29 Overview of site with completed leveling layer and partial installation of geomembrane.



Photo 30 Seams of geocomposite zip-tied together (left), and seams after they've been heat-tacked (right).



Photo 31 Butt seam of geocomposite zip-tied together.



Photo 32 Overview of site showing four layers of impermeable cap. Starting from the foreground: sand leveling layer, geomembrane layer, geocomposite layer, and drainage sand layer.



Photo 33 Placement of the drainage sand layer.



Photo 34 Placement of 4" minus biotic rock.



Photo 35 Overview of site showing three layers of impermeable cap. Starting from the foreground: geocomposite layer, drainage sand layer, and 4" minus biotic rock layer.



Photo 36 Overview of site showing biotic rock layer and overlying geotextile layer.



Photo 37 Placement of gravel for access road across the impermeable cap.



Photo 38 Topsoil unloaded from barge with conveyor.



Photo 39 Topsoil being placed over geotextile within the impermeable cap footprint.



08.18.2005 17:34

Photo 40 Overview of site showing three layers of impermeable cap. Starting from the foreground: 4" minus biotic rock, geotextile, and topsoil.



08.31.2005 08:33

Photo 41 Topsoil placement complete over the impermeable cap footprint.



08.17.2005 14:04

Photo 42 Deploying erosion control netting along the swale area.



09.02.2005 03:37

Photo 43 Erosion control netting installed around pond spillway.



08.18.2005 08:10

Photo 44 Gravel road along top of the bank.



08.31.2005 03:17

Photo 45 Willamette Fence Co. digging post holes.



09.26.2005 07:56

Photo 46 New fencing and gates installed in the south corner of support facility area.



08.31.2005 05:21

Photo 47 Materials for hydroseeding arriving on-site.



Photo 48 Placing mineral supplements into hydroseeding mixing tank.



Photo 49 Applying hydroseed on the impermeable cap topsoil.



Photo 50 Applying compost prior to hydroseeding on bank areas disturbed during construction.



Photo 51 Paving of the support facility pad.



Photo 52 Applying epoxy into holes of manhole pad for connection to ladders.



Photo 53 Completed test patch of organoclay mats.



Photo 54 Deployment of organoclay mats utilizing an excavator and spreader bar for large organoclay patch.



Photo 55 Covering organoclay mats with a 12" layer of sand.



Photo 56 Placing 10" minus rock over organoclay mat area.



Photo 57 Completed organoclay mat patch.



Photo 58 Overview of completed site.

J

Meeting Minutes

COORDINATION MEETING # 1
McCormick and Baxter Upland Cap
June 8, 2005 @ Wilder's Field Office

Attendees:

Name

Organization

Representatives attending the meeting shall be qualified and authorized to act on behalf of the entity that each represents.

To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. REVIEW OF MEETING NOTES

N/A – first progress meeting.

II. SCHEDULE

Wilder to discuss three week look ahead schedule.

III. TRAFFIC CONTROL

N/A

IV. SUBMITTALS

Please see attached submittal log.

V. RFI'S

See attached RFI log.

VI. CONTRACT CHANGES

None

VII. OLD BUSINESS

VIII. NEW BUSINESS

Weekly Coordination Meeting Number 2 scheduled for Wednesday, June 15 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 2
McCormick and Baxter Upland Cap
June 15, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Chad Nancarrow	Ecology and Environment (E&E)
Andrew Murphy	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Alexander Whitman	Ecology and Environment (E&E)
George Lukert	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Pete Nichols	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look ahead schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Allowable Deflection:** Some concern from WCC was expressed related to the conveyance pipe run between MH C and MH E. 2 monitoring wells appear to be in the way. *JZ to check with pipe manufacture regarding allowable deflection's to go around these wells. – **Issue resolved.***
- 1.2 **Pipe Certifications:** AM wanted to make sure that WCC submits certifications from HD Fowler in regards to what will be used between the corrugated piping and the smooth wall piping (HDPE). *WCC to submit on this. – **See Submittal Log.***

- 1.3 **Pipe Bedding:** There was some confusion regarding allowable backfill material for the conveyance piping. *AW approved the use of native backfill as long as it is free of organics and cobbles. E&E to formalize this issue with a field directive. – Issue resolved.*
- 1.4 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. *WCC will obtain new socks and install these prior to backfilling the manholes completely. – Issue resolved.*
- 1.5 **Compaction Requirements:** PN was concerned over achieving adequate compaction on the grade when mixing brush. *E&E and WCC discussed wasting the vegetation in rocky areas or areas of deep fill. – Issue resolved.*
- 1.6 **MH Lid Elevations:** CN wanted to make sure the finish grade elevations atop the manholes was accurate. *The final grade for the manhole lids should be 1/4" to 1/2" above finish grade elevations. – Issue resolved.*
- 1.7 **PGE Poles:** E&E notified WCC that PGE had one pole left that was to be relocated. – **Unresolved.**
- 1.8 **Proper Notification:** WCC and E&E discussed the proper procedures when working in the NW area of the site due to the various utilities in the area. *WCC to call in locates in advance and refresh these when necessary. – Issue resolved.*
- 1.9 **Demarcation Fabric:** E&E was confused over WCC's submittal regarding the demarcation fabric. NW Linings included an alternate for the demarcation fabric, E&E did not approve the use of this material. *WCC to use the approved demarcation fabric (orange safety fence). – Issue resolved.*
- 1.10 **Liner at MH's:** E&E discussed with WCC that NW Linings should propose an alternate at the manholes that detail how the liner will be attached. *JZ to obtain this information and submit. – Unresolved.*
- 1.11 **Miscellaneous Materials:** WCC is uncovering/finding miscellaneous materials (i.e RR ties, pipe, etc.) while working on sub-grade. *WCC to gather materials and bury. – Issue resolved.*
- 1.12 **Barge Access:** KP discussed negotiations between WCC/E&E and Metro officials. – **Unresolved.**
- 1.13 **Wood Debris:** COP has expressed some interest in the wood onsite that is to be placed along the river's edge. *WCC is willing to load wood into COP trucks. – Issue resolved.*
- 1.14 **BNSF:** AM has called and made notification to BNSF to address work scheduled near BNSF right-of-way.

VII. NEW BUSINESS

- 2.1 Discuss Geomembrane Operations
- 2.2

Weekly Coordination Meeting Number 3 scheduled for Wednesday, June 22, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 3
McCormick and Baxter Upland Cap
June 22, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Chad Nancarrow	Ecology and Environment (E&E)
Andrew Murphy	Ecology and Environment (E&E)
George Lukert	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Stan Kamienski	Northwest Linings (NWL)
Pete Nichols	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Mark Riem	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

Representatives attending the meeting shall be qualified and authorized to act on behalf of the entity that each represents.

To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. – Issue resolved.*
- 1.2 **PGE Poles:** E&E notified WCC that PGE had one pole left that was to be relocated. Mtg 2: AM to check on status with PGE. WCC expressed to E&E that they would like to be in that area next

- week with the cut/fill operations. E&E and WCC discussed proper disposal of the pole, E&E to make a change to the Upland Cap contract to cover this. – **Unresolved.**
- 1.3 **Liner at MH's:** E&E discussed with WCC that NW Linings should propose an alternate at the manholes that detail how the liner will be attached. JZ to obtain this information and submit. *Mtg 2: NWL discussed how to weld the liner to the manholes.* – **Issue resolved.**
- 1.4 **Barge Access:** KP discussed negotiations between WCC/E&E and Metro officials. *Mtg 2: KP feels that negotiations have been worked out in this area and that a resolution/agreement would be in-store either Friday or Monday. CN requested that a new site layout place be submitted showing the new haul routes.* – **Unresolved.**
- 2.1 **Geomembrane Operations:** SK discussed lining operations. SK expressed some interest in using Gators (low ground pressure equipment) to spread both the liner and geocomposite. – **Issue unresolved.**
- 2.2 **Base Rock:** CN and WCC discussed the base rock submittal that was previously submitted and rejected. CN gave the approval to use this material for WCC's temporary haul road. All parties agreed the use 6" of rock to construct the road, after which the material would be spread prior to topsoil placement. *WCC to submit on another material.* – **Issue unresolved.**
- 2.3 **ESC Plan:** CN expressed concern to WCC that the Erosion and Sediment Control Plan has not been submitted. WCC to submit plan ASAP. CN requested that biobags be placed around the excavation area. – **Issue unresolved.**
- 2.4 **Contamination at Outfall:** E&E informed WCC that the native material at the outfall was cross contaminated with surface material. E&E would like WCC to cut approximately 2' of material in this area and place clean material. – **Issue unresolved.**
- 2.5 **Permanent Fencing:** PT brought up a point to eliminate the permanent fencing from the Support Facility Modifications Contract and add it to the Upland Cap Contract. *E&E to supply WCC with the proper paperwork.* – **Issue resolved.**
- 2.6 **Contaminated Well:** GL informed WCC that Cascade Drilling had seen approximately 5 wells that are to be modified, that had creosote residue, which causes a safety hazard. *WCC to discuss with Cascade a reasonable solution and present to E&E.* – **Issue resolved.**
- 2.7 **MW-10:** GL informed everyone that Cascade Drilling had pulled MW-10 out of the ground approximately 5'. *GL to evaluate whether or not to either abandon the well completely and to assign a different well to be raised or to abandon the well and have Cascade drill a new well.* – **Issue unresolved.**

VII. NEW BUSINESS

Discuss new business

Weekly Coordination Meeting Number 4 scheduled for Wednesday, June 29, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 4
McCormick and Baxter Upland Cap
 June 29, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Chad Nancarrow	Ecology and Environment (E&E)
Alexander Whitman	Ecology and Environment (E&E)
Andrew Murphy	Ecology and Environment (E&E)
George Lukert	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Steve Campbell	Department of Environmental Quality (DEQ)
Pete Nichols	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Mark Riem	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. – Issue unresolved.*
- 1.2 **PGE Poles:** E&E notified WCC that PGE had one pole left that was to be relocated. Mtg 2: AM to check on status with PGE. WCC expressed to E&E that they would like to be in that area next

- week with the cut/fill operations. E&E and WCC discussed proper disposal of the pole, E&E to make a change to the Upland Cap contract to cover this. *Mtg 3: JZ discussed that the locater for the pole showed up on Monday and provided locates. AW added that the new pole was to arrive today (6/22) with wiring on Monday (6/27) and Tuesday (6/28). DEQ, E&E and WCC agreed that the old pole will be cut and disposed of on the Upland Cap contract. – Pending.*
- 1.3 **Barge Access:** KP discussed negotiations between WCC/E&E and Metro officials. *Mtg 2: KP feels that negotiations have been worked out in this area and that a resolution/agreement would be in-store either Friday or Monday. CN requested that a new site layout place be submitted showing the new haul routes. Mtg 3: WCC provided E&E with a new revision to the COP detailing the barge area and a new site layout plan. WCC to receive first load of sand on Monday (6/27) – Issue Resolved.*
- 2.1 **Geomembrane Operations:** SK discussed lining operations. SK expressed some interest in using Gators (low ground pressure equipment) to spread both the liner and geocomposite. *Mtg 3: NWL and CN have been in contact regarding the use of a Gator to deploy the liner and geocomposite. NWL to provide WCC with a revised plan of their COP with additional information on the use of the Gator for WCC to submit. CN to get in contact with a representative from Hanford to discuss previous experience with Gators. – Pending.*
- 2.2 **Contamination at Outfall:** E&E informed WCC that the native material at the outfall was cross contaminated with surface material. E&E would like WCC to cut approximately 2' of material in this area and place clean material. *Mtg 3: WCC to remove top couple of inches in area where native material was placed while digging to outfall structure. – Pending.*
- 2.3 **MW-10:** GL informed everyone that Cascade Drilling had pulled MW-10 out of the ground approximately 5'. GL to evaluate whether or not to either abandon the well completely and to assign a different well to be raised or to abandon the well and have Cascade drill a new well. *Mtg 3: JZ obtained well log information from GL regarding this well and will pass it onto Cascade for review. – Issue Unresolved.*
- 3.1 **Transformer:** WCC consulted with E&E about a transformer that was to be removed by others which is too large to be disposed of properly. E&E to write a directive that covers the removal of this transformer. *Issue Pending.*
- 3.2 **Topsoil Stockpile:** CN expressed his concern about cross contamination in the area around the existing topsoil stockpile. WCC to be extra cautious when moving topsoil from this pile. *Issue Resolved.*
- 3.3 **Demarcation Fabric:** JZ discussed with E&E and DEQ about the option of using zip ties installed every 10 feet at the seams of the demarcation fabric with zero overlap instead of 6". DEQ approved this method, E&E to write directive. *Issue Resolved.*
- 3.4 **Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. *Issue Pending.*
- 3.5 **Signs:** AM warned WCC that most all of the "No Trespassing" signs have been removed. WCC acknowledged. *Issue Resolved.*
- 3.6 **Iron Debris in Cap Area:** CN expressed concern regarding existing debris in the cap area at the surface. WCC to remove all debris at the surface before applying the sand leveling area. *Issue Resolved.*

VII. NEW BUSINESS

Weekly Coordination Meeting Number 5 scheduled for Wednesday, July 6, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 5
McCormick and Baxter Upland Cap
July 6, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Chad Nancarrow	Ecology and Environment (E&E)
Alexander Whitman	Ecology and Environment (E&E)
Andrew Murphy	Ecology and Environment (E&E)
George Lukert	Ecology and Environment (E&E)
Mark Allen	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Steve Campbell	Department of Environmental Quality (DEQ)
Pete Nichols	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Jeremy Smith	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. No new business. –Issue unresolved.*

- 3.1 **Transformer:** WCC consulted with E&E about a transformer that was to be removed by others which is too large to be disposed of properly. E&E to write a directive that covers the removal of this transformer. Mtg 4: E&E is in the process of reviewing quotes for proper disposal of the transformer. **Issue Pending.**
- 3.2 **Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. **Issue Pending.**
- 4.1 **Anchor Trench Cross Contamination:** KP was concerned about cross contamination at the anchor trench. WCC to make sure that all material that was excavated returns to the trench and the location as to where the spoils are currently sitting is cleaned. **Issue Unresolved.**
- 4.2 **Solid Waste:** DEQ questioned WCC what the intentions were for a couple different materials including a concrete block, contaminated monument, bollards and fence posts. WCC to bury the concrete block in the fill area near or on BN ROW. WCC to remove the old creosote aluminum monument(s) and place in a 55gal drum and give to DEQ. The remaining bollards and fence posts can be disposed of via waste management (non-hazardous material). **Issue Unresolved.**
- 4.3 **Existing Gas Valve Boxes:** AM informed everyone that there were 4 gas valve boxes in BN ROW that required modification (raising). AM to call gas company. **Issue Unresolved.**
- 4.4 **Pothole along Haul Road:** KP noticed a pothole in WCC's haul road along the UP tracks. WCC to cover with a steel sheet. **Issue Resolved.**

VII. NEW BUSINESS

Weekly Coordination Meeting Number 5 scheduled for Wednesday, July 13, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 6
McCormick and Baxter Upland Cap
 July 13, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Steve Campbell	Department of Environmental Quality (DEQ)
Jacob Zacharda	Wilder Construction Company (WCC)
Jeremy Smith	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)

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To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. No new business. – Issue Pending.*

- 3.1 ~~**Transformer:** WCC consulted with E&E about a transformer that was to be removed by others which is too large to be disposed of properly. E&E to write a directive that covers the removal of~~

~~this transformer. Mtg 4: E&E is in the process of reviewing quotes for proper disposal of the transformer. Wilder to load PGE truck with transformer. **Issue Resolved.**~~

- 3.2 **Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. **Issue Pending.**

VII. NEW BUSINESS

- 6.1 **Draft Checks:** CN and AM requested draft readings from WCC's topsoil barges. WCC to forward on draft readings each month with the pay application.
- 6.2 **Ditch along UPRR:** CN pointed out to WCC the detail which shows a ditch along the UP RR tracks.
- 6.3 **Remaining Topsoil on Barges:** CN was concerned about the amounts of topsoil which remain on the barges. WCC explained that RISG places a small loader on each barge. E&E to check the barges when one is completed to examine.
- 6.4 **Outfall Structure:** AW discussed with WCC how important it is to complete the outfall structure before any rain hits again.
- 6.5 **Tours:** KP warned WCC of some upcoming tours on the jobsite next Friday and the following week and then again in August.

Weekly Coordination Meeting Number 7 scheduled for Wednesday, July 20, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 7
McCormick and Baxter Upland Cap
 July 20, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Kevin Parrett	Department of Environmental Quality (DEQ)
Steve Campbell	Department of Environmental Quality (DEQ)
Jacob Zacharda	Wilder Construction Company (WCC)
Jeremy Smith	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)

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Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

None

V. OLD BUSINESS

- 1.1 **Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. No new business. – **Issue Pending.***

- 3.1 ~~**Transformer:** WCC consulted with E&E about a transformer that was to be removed by others which is too large to be disposed of properly. E&E to write a directive that covers the removal of~~

~~this transformer. Mtg 4: E&E is in the process of reviewing quotes for proper disposal of the transformer. Wilder to load PGE truck with transformer. **Issue Resolved.**~~

- 3.2 **Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. **Issue Pending.**

VII. NEW BUSINESS

- 6.1 **Draft Checks:** CN and AM requested draft readings from WCC's topsoil barges. WCC to forward on draft readings each month with the pay application.
- 6.2 **Ditch along UPRR:** CN pointed out to WCC the detail which shows a ditch along the UP RR tracks.
- 6.3 **Remaining Topsoil on Barges:** CN was concerned about the amounts of topsoil which remain on the barges. WCC explained that RISG places a small loader on each barge. E&E to check the barges when one is completed to examine.
- 6.4 **Outfall Structure:** AW discussed with WCC how important it is to complete the outfall structure before any rain hits again.
- 6.5 **Tours:** KP warned WCC of some upcoming tours on the jobsite next Friday and the following week and then again in August.

Weekly Coordination Meeting Number 8 scheduled for Wednesday, July 27, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 8
McCormick and Baxter Upland Cap
July 27, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Steve Campbell	Department of Environmental Quality (DEQ)
Jeremy Smith	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)

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Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

Approximately 21,000 tons of topsoil has been imported to date; quantity may under-run due to unexpected light density of import topsoil.

NWL may work this Saturday.

Manhole wedding rings installation to be completed Thur or Fri.

Demobilization from site may occur around September 1, 2005.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

WCC to follow up on Change Order No. 2 that was issued by ODEQ.

Change Order No. 3 to address new issues.

V. OLD BUSINESS

- 1.1 Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. No new business Replacement materials are in and to be installed. – Issue Pending.*
- 3.2 Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. Mtg 6: For final verification and as-built documentation, CN requested that the top of geocomposite be surveyed (prior to drainage sand placement) by DEA with shots taken on a 50 foot grid and every 20 feet along the flow lines (valleys) and ridgelines to allow more accurate contour generation. Still pending; Subgrade topo has yet to be submitted; DEA to provide documentation. *Issue Pending.*
- 3.3 Submittals:** CN stated that several submittals are missing (e.g., NPDES permit application; Erosion and Sediment Control Plan; Weekly Environmental Control Measures Inspection Checklists; Extrudate bead/rod certifications; completed daily geomembrane and geocomposite logs, forms, and testing reports; off-site scale certifications; weight tickets; naval architect draft charts; etc.). Inspection Checklists are prepared weekly and will be submitted to E&E. Wilder will meet with ODEQ concerning documentation for NPDES and Erosion Control and Sediment Plan.. NPDES transfer information has been submitted by WCC. *Issue Pending.*
- 3.4 Topsoil:** CN stated that NW Hydromulchers need to provide application rate for Kiwi Power and Fertil-Fibers additive. *Issue Pending.*
- 3.4 Barge Draft Checks:** CN and AM again requested that the draft charts for the topsoil barges be submitted as soon as possible which will allow measurement checks of the topsoil quantities. Information is necessary for topsoil pay verification. *Issue Pending.*
- 3.5 Ditch along UPRR:** CN identified an area along the UPRR property line to the south east of the support area that was not appropriately graded. A cut into the existing subgrade is required to allow for the transition of the cap into the UPRR property and for the construction of a stormwater retention berm. To remedy this Wilder will pull back the demarcation fabric that was installed and cut the subgrade to the correct slope. *Issue Resolved*
- 3.6.1 Remaining Topsoil on Barges:** CN was concerned about the amounts of topsoil which remain on the barges. WCC explained that RISG places a small loader on each barge. E&E to check the barges when one is completed to examine. *Issue Resolved*
- 3.7 Tours:** Additional site tours to be coordinated and managed by AM.
- 6.5 Outfall Structure:** AW discussed with WCC how important it is to complete the outfall structure since rainwater flowing on the newly installed geomembrane could now potentially enter the conveyance system. AM to show WCC what areas still need removal of potentially contaminated soil. The 12-inch rock had some asphalt debris mixed in. WCC to clean potentially contaminated

soil from area and remove asphalt pieces. CN stated that additional turf-reinforcing matting should also be placed over the disturbed areas.

- 6.7 Access Road Maintenance:** WCC to maintain site access roads.
- 6.8** Inspection report for N. Edgewater access road discussed. Wilder indicated that the Engineer's report has already been completed.
- 6.9** On-site topsoil compacts hard and needs to be evaluated to determine that it is not too hard. NW Hydromulchers will be consulted regarding this matter.
- 6.10** ACB – in the event ACB is not removed from site, WCC will provide a covered topsoil stockpile adjacent to the ACB area for eventual placement (to match new surface grades) under another contract.

VII. NEW BUSINESS

Weekly Coordination Meeting Number 8 scheduled for Wednesday, August 3, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 9
McCormick and Baxter Upland Cap
August 3, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Steve Campbell	Department of Environmental Quality (DEQ)
Jeremy Smith	Wilder Construction Company (WCC)
Pat Turina	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

WCC to follow up on Change Order No. 2 that was issued by ODEQ.

Change Order No. 3 to address new issues. WCC is awaiting quantities from NW Hydromulchers to forward onto E&E (See old business 3.4).

V. OLD BUSINESS

- 1.1 Manhole Socks:** E&E expressed their concern over the quality of the manhole socks that have been brought out on the corrugated manholes. WCC will obtain new socks and install these prior to backfilling the manholes completely. Mtg 2: *CN reminded WCC that static testing on the conveyance manholes is required per the specification. WCC to plug outgoing pipes and fill manholes with water. WCC to provide new manhole socks. No new business Replacement materials are in and to be installed. – Issue Pending.*

- 3.2 Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. Mtg 6: For final verification and as-built documentation, CN requested that the top of geocomposite be surveyed (prior to drainage sand placement) by DEA with shots taken on a 50 foot grid and every 20 feet along the flow lines (valleys) and ridgelines to allow more accurate contour generation. Still pending; Subgrade topo has yet to be submitted; DEA to provide documentation. *Issue Pending.*
- 3.4 Topsoil;** CN stated that NW Hydromulchers need to provide application rate for Kiwi Power and Fertil-Fibers additive. *Issue Pending.*
- 3.5 Barge Draft Checks:** CN and AM again requested that the draft charts for the topsoil barges be submitted as soon as possible which will allow measurement checks of the topsoil quantities. Information is necessary for topsoil pay verification. *Issue Pending.*
- VII. NEW BUSINESS**
- 8.1 Anchor Trench Spoils:** E&E and DEQ are concerned that the spoils from the anchor trench have the required 2' of cover. WCC to back blade this area and clean up the trench line to ensure the proper cover.

Weekly Coordination Meeting Number 10 scheduled for Wednesday, August 3, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 10
McCormick and Baxter Upland Cap
August 10, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Steve Campbell	Department of Environmental Quality (DEQ)
Kevin Parrett	Department of Environmental Quality (DEQ)
Jeremy Smith	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)
Mark Riem	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look ahead schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. CONTRACT CHANGES

See new business item 9.3 and 9.4 below.

V. OLD BUSINESS

- 3.2 Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted

that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. Mtg 6: For final verification and as-built documentation, CN requested that the top of geocomposite be surveyed (prior to drainage sand placement) by DEA with shots taken on a 50 foot grid and every 20 feet along the flow lines (valleys) and ridgelines to allow more accurate contour generation. Still pending; Subgrade topo has yet to be submitted; DEA to provide documentation. *Issue Pending.*

- 3.4 Topsoil Amendment:** CN stated that NW Hydromulchers need to provide application rate for Kiwi Power and Fertil-Fibers additive. *Issue Pending.*

VII. NEW BUSINESS

- 9.1 Static Testing:** E&E inquired with WCC regarding when the manholes would be tested.
- 9.2 Conex Boxes:** DEQ described to WCC that they would like both conex boxes relocated. WCC and DEQ discussed where to place these in order to avoid double handling due to issue 9.3 below.
- 9.3 Paving:** DEQ would like to have the gravel pad paved which was eliminated from the Support Facility contract. The scope of work would be the same as that which was deleted.
- 9.4 Add-Ons:** DEQ and E&E described additional work which they would like to add to WCC's contract. E&E to furnish WCC with a letter which summarizes all of this work. WCC to forward on pricing upon receiving letter.

Weekly Coordination Meeting Number 11 scheduled for Wednesday, August 17, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 11
McCormick and Baxter Upland Cap
August 17, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
John Montgomery	Ecology and Environment (E&E)
Steve Campbell	Department of Environmental Quality (DEQ)
Kevin Parrett	Department of Environmental Quality (DEQ)
Barry Cook	Northwest Hydromulchers (NWH)
Jeremy Smith	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

III. RFI'S

See attached RFI log.

IV. OLD BUSINESS

- 3.2 Subgrade Verification:** CN questioned WCC about their intentions for subgrade verification. WCC to use DEA for this. E&E to decide upon DEA's results as to allow WCC to use their own GPS in the future for the verification's. Mtg 4: DEA provided WCC and E&E with results to the subgrade. The results were close however there were a few points that were 0.3' difference, but those were shot with a total station, not their GPS. WCC to forward onto E&E an electronic copy of these points when they are received. Mtg 5: All parties agreed that DEA will do the final surveying for verification on each layer in the future. E&E and WCC checked some of the slopes around the perimeter and noted there were places where the slope was less than what is specified in the plans. WCC to increase this slope and spot check with E&E when complete. E&E noted that the electronic copies of the verification thus far had been 1' contour increments, WCC to provide 0.5' increments. Mtg 6: For final verification and as-built documentation, CN requested that the top of geocomposite be surveyed (prior to drainage sand placement) by DEA with shots taken on a 50 foot grid and every 20 feet along the flow lines (valleys) and ridgelines to allow

more accurate contour generation. Still pending; Subgrade topo has yet to be submitted; DEA to provide documentation. WCC submitted topo to E&E for review. ***Issue Pending.***

- 9.4 Add-Ons:** DEQ and E&E described additional work which they would like to add to WCC's contract. E&E to furnish WCC with a letter which summarizes all of this work. WCC to forward on pricing upon receiving letter.

V. NEW BUSINESS

- 10.1 Seeding Amendments:** NWH discussed schedule with WCC and DEQ. DEQ would like NWH to start later than planned (Sept 5). DEQ to add days to the contract to account for the later start.

Weekly Coordination Meeting Number 12 scheduled for Wednesday, August 24, 2005 at 1:00pm at Wilder's onsite Field Office.

COORDINATION MEETING # 12
McCormick and Baxter Upland Cap
August 24, 2005 @ Wilder's Field Office

Attendees:

<u>Name</u>	<u>Organization</u>
Andrew Murphy	Ecology and Environment (E&E)
Chad Nancarrow	Ecology and Environment (E&E)
Alexander Whitman	Ecology and Environment (E&E)
Steve Campbell	Department of Environmental Quality (DEQ)
Kevin Parrett	Department of Environmental Quality (DEQ)
Pat Turina	Wilder Construction Company (WCC)
Pete Nichols	Wilder Construction Company (WCC)
Jacob Zacharda	Wilder Construction Company (WCC)

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To the best of the authors' knowledge, this is an accurate summary of the discussions and decisions, which occurred during this meeting. Notification of exceptions should occur prior to or during the review of the meeting notes during the course of the next meeting's review of Old Business. Such exceptions shall be reflected in that meeting's notes.

Notes authored by Jacob Zacharda.

ITEM DESCRIPTION

I. SCHEDULE

Wilder to discuss three week look a head schedule.

II. SUBMITTALS

Please see attached submittal log.

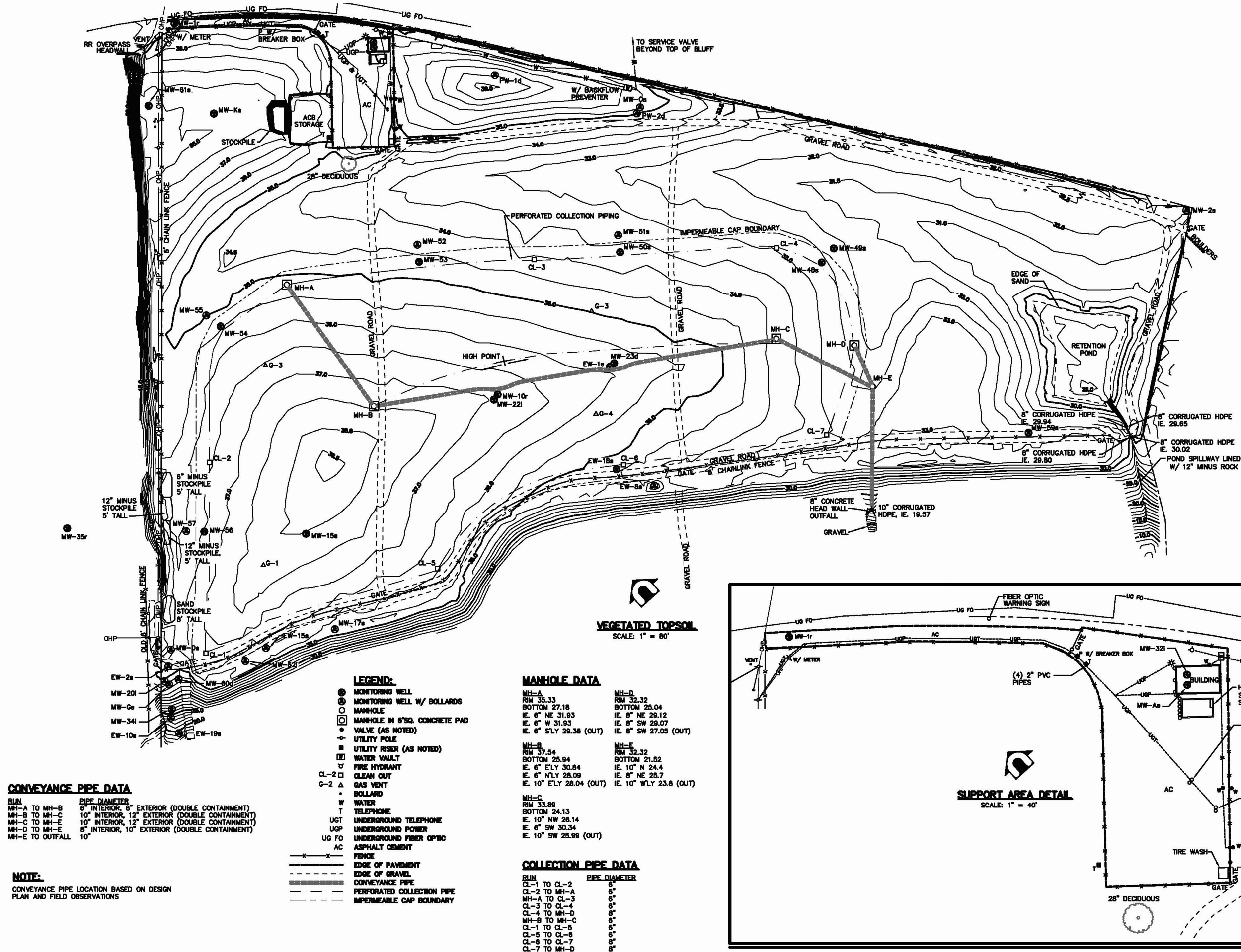
III. OLD BUSINESS

- 9.4 Add-Ons:** DEQ and E&E described additional work which they would like to add to WCC's contract. E&E to furnish WCC with a letter which summarizes all of this work. WCC to forward on pricing upon receiving letter. **Mtg 11:** DEQ asked WCC when pricing for the paving was anticipated. WCC to forward on pricing immediately.

IV. NEW BUSINESS

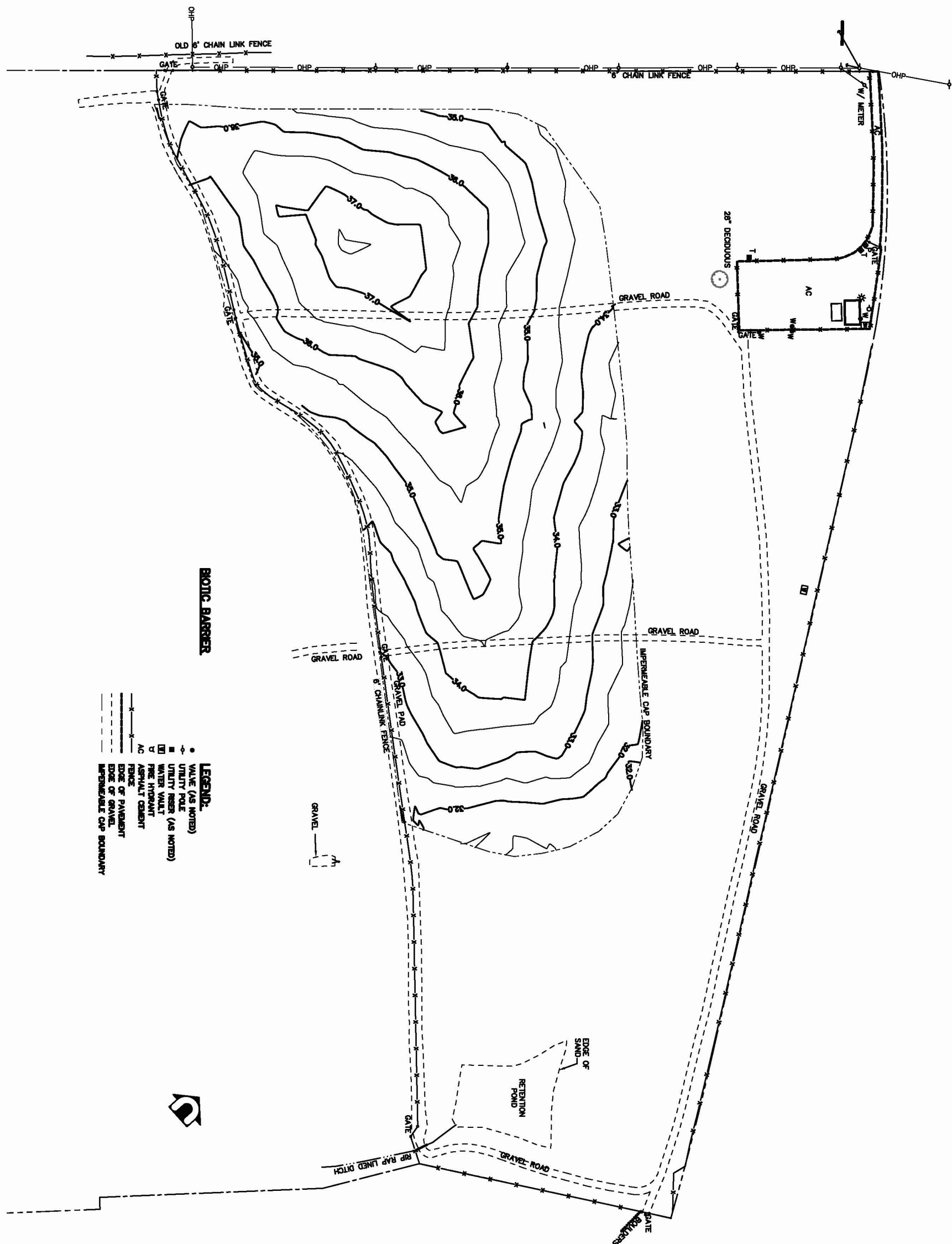
- 11.1 Leaky Manholes:** AW commented that the static testing to the manholes was failing. WCC to pin point where the leak is happening to make a fix.
- 11.2 Punchlist:** DEQ stressed an urgency to compile a punchlist before WCC's Everett crew leaves. E&E to produce a punchlist by Monday or Tuesday of next week (8/22-23).

Weekly Coordination Meeting Number 13 TBD.



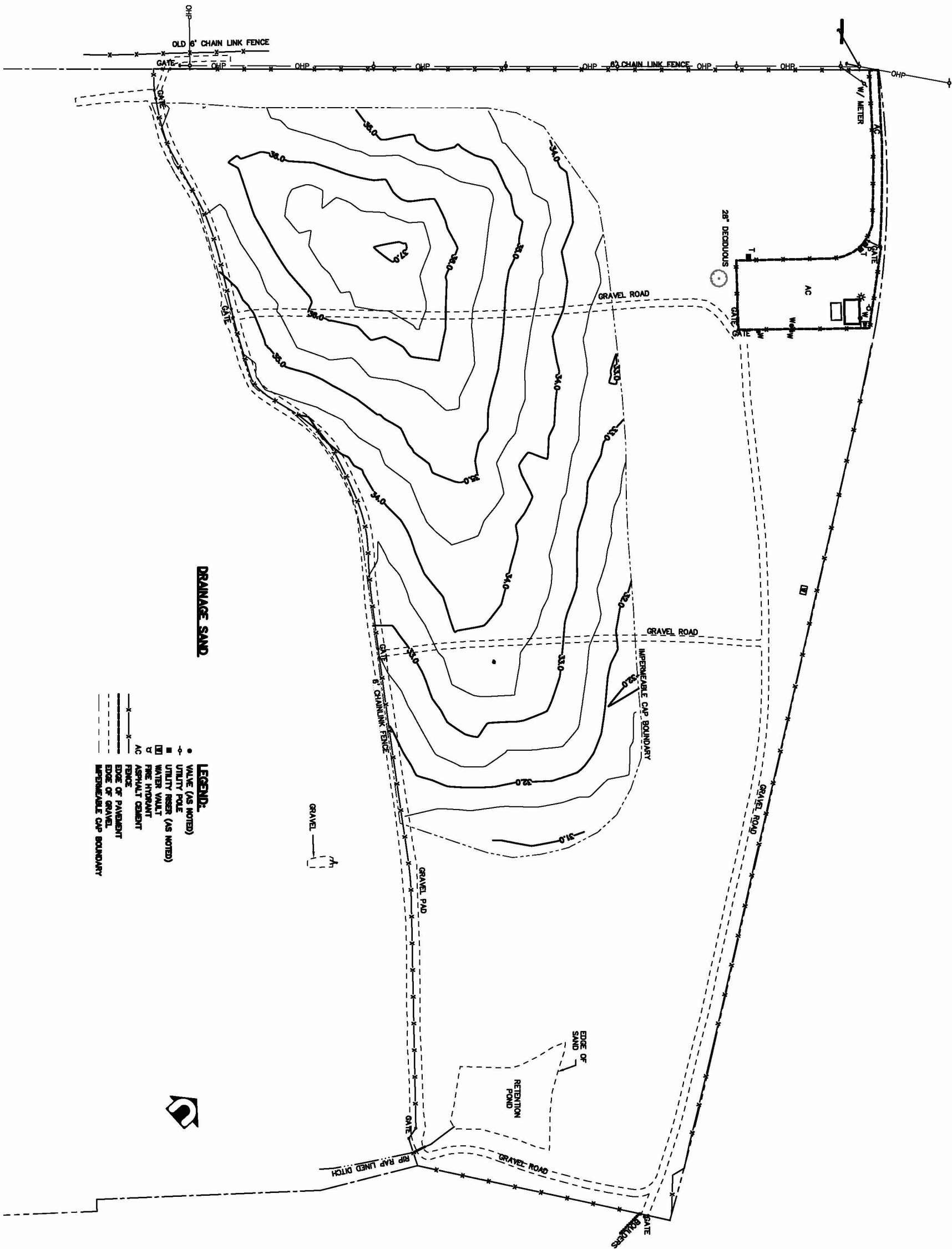
AS-BUILT SURVEY
MCCORMICK AND BAXTER SITE
FOR
WILDER CONSTRUCTION
PORTLAND, OREGON

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DATE:	JAN 24, 2006
DESIGN:	TAS / DEM
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REVISION NUMBER:	
SCALE:	AS NOTED
PROJECT NUMBER:	WILC0000-0024
DRAWING FILE:	Final_AB01.dwg
SHEET NO.	1
OF 6	



AS-BUILT SURVEY
McCORMICK AND BAXTER SITE
FOR
WILDER CONSTRUCTION
PORTLAND, OREGON

DATE:	JUN 24, 2006
DESIGN:	
DRAWN:	TAS / DEAN
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PROJECT NUMBER:	
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AS-BUILT SURVEY
McCORMICK AND BAXTER SITE
FOR
WILDER CONSTRUCTION
PORTLAND, OREGON

REVISIONS: APPR.

DATE: JUN 24, 2006

DESIGN: T/S / DEB

DRAWN: T/S / DEB

CHECKED: T/S / DEB

REVISION NUMBER:

SCALE: 1"=40'

PROJECT NUMBER:

WILC0000-0024

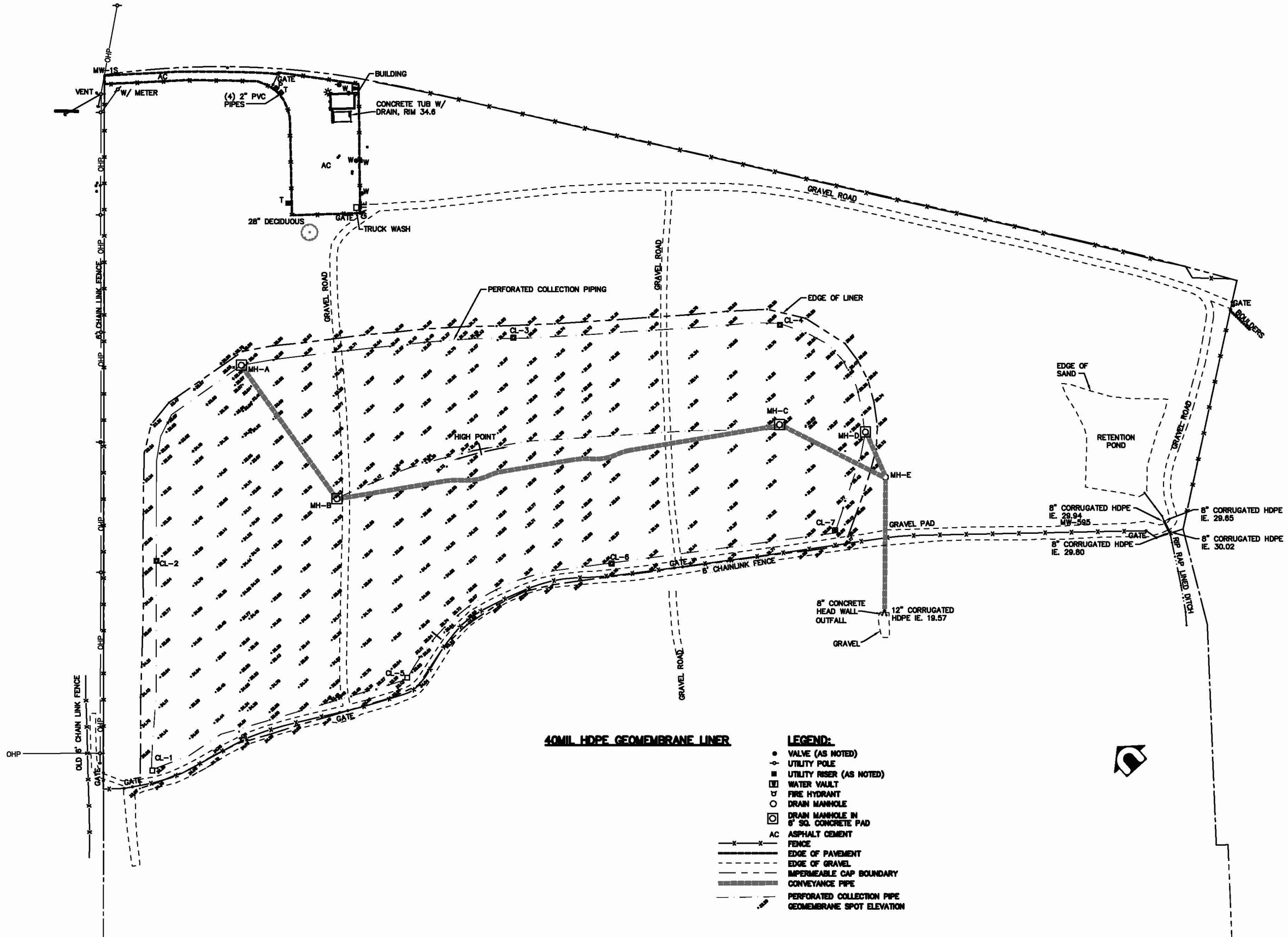
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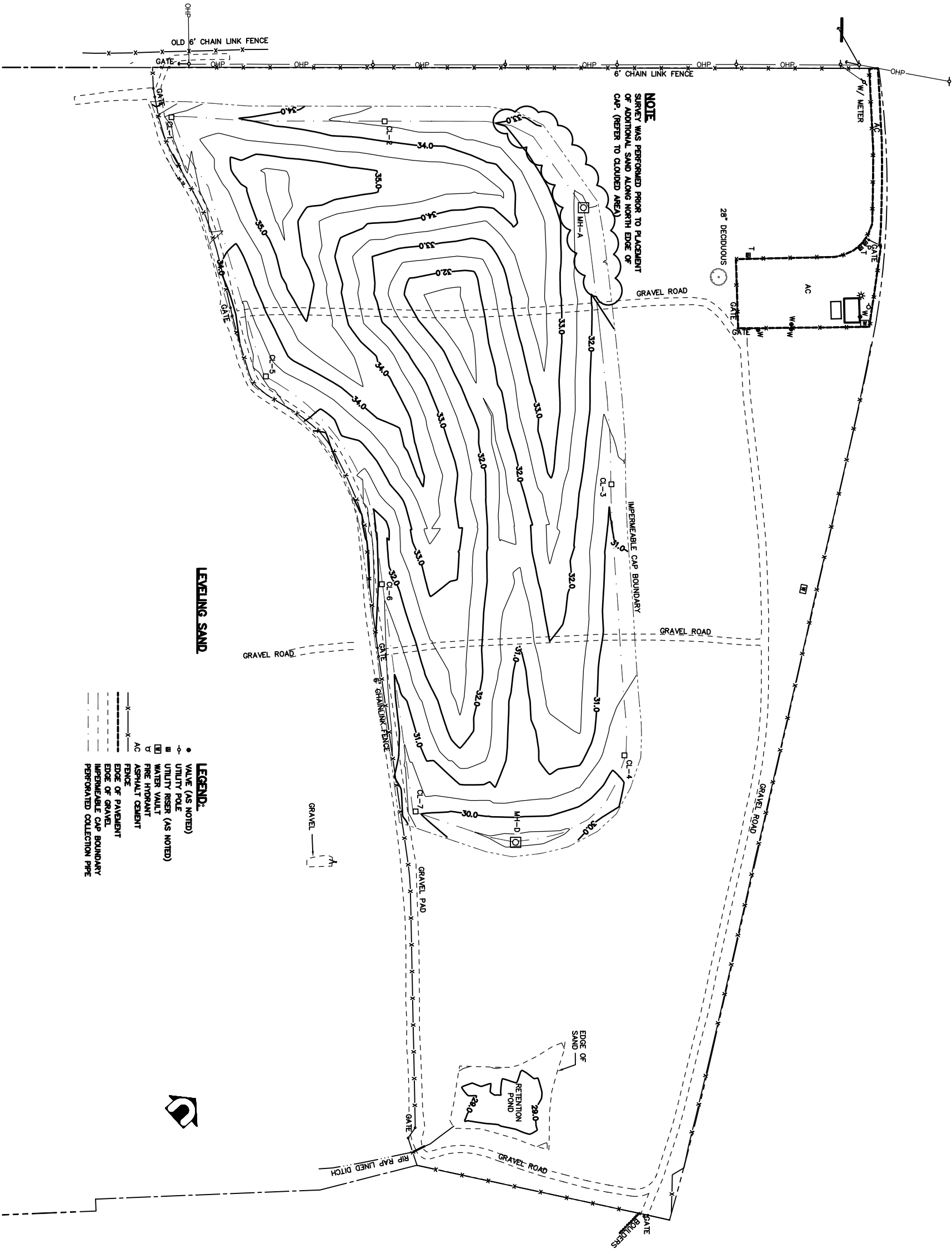
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SHEET NO.

3

OF 6





AS-BUILT SURVEY
McCORMICK AND BAXTER SITE
FOR
WILDER CONSTRUCTION
PORTLAND, OREGON

REVISIONS: APPD.

DATE: JAN 24, 2006

DESIGN: TNS / DEW

DRAWN: TNS / DEW

CHECKED: TNS / DEW

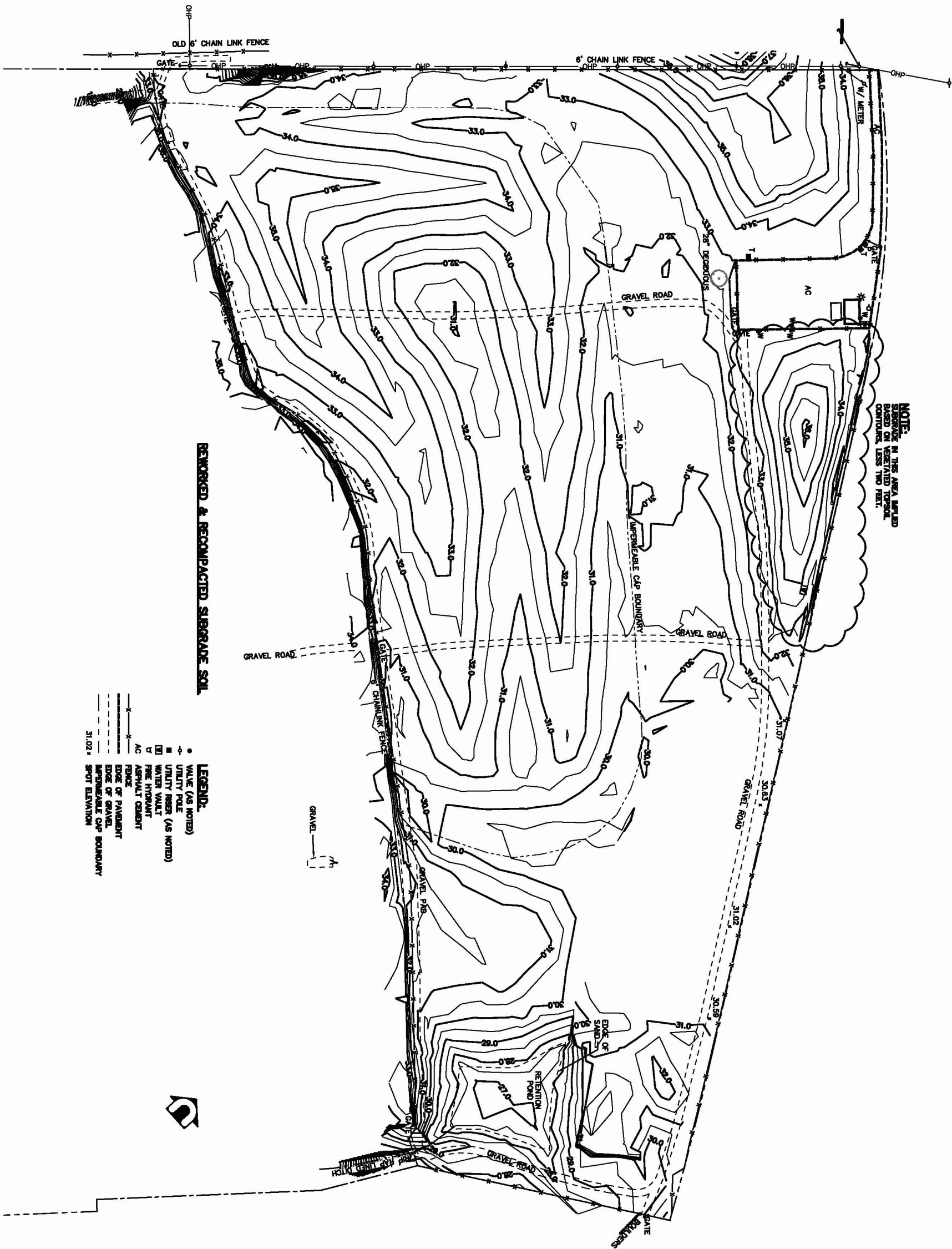
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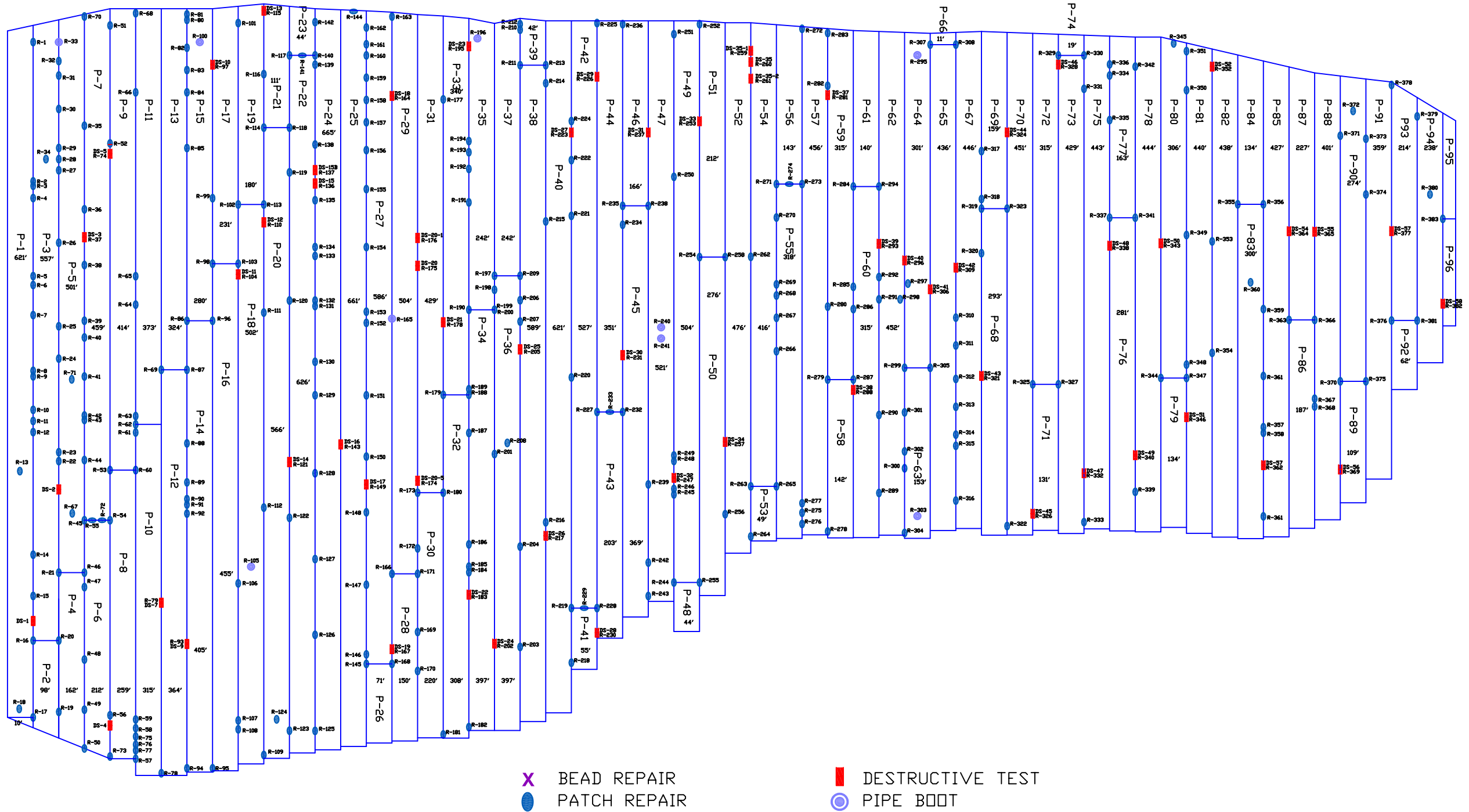
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SHEET NO.

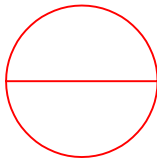




AS-BUILT 40-MIL TEXTURED HDPE LINER PANEL LAYOUT

SHEET NO.

DETAIL



**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**

www.northwestlinings.com
21000 77TH AVE. SOUTH
KENT, WA. 98032
(253) 872-0244 (253) 872-0245 FAX

JOB NAME:

McCORMICK & BAXTER UPLAND CAP

JOB NO.

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DATE:

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SCALE:

1" = 100'